STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO:	6. SURFACE:
ML-22973	State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY, L.P.

9. WELL NAME and NUMBER: NBU 1022-18D

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7060

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 765' FNL 311' FWL LOT 1 624120X 4423541Y 39.954046 -109.488426
AT PROPOSED PRODUCING ZONE:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 10S 22E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 20.9 MILES SOUTHEAST OF OURAY, UTAH

12. COUNTY: UINTAH

13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
311'	585.76	40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
REFER TO TOPO C	8,900	RLB0005238
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
5046.2' GL		TO BE DETERMINED

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
	14"			40				
12 1/4"	9 5/8"	H-40	32.3#	1,900	PREM CMT	265 SX	1.18	15.6
7 7/8"	4 1/2"	I-80	11.6#	8,900	PREM LITE II	410 SX	3.38	11
					50/50 POZ G	1390 SX	1.31	14.3

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) DEBRA DOMENICI TITLE ASSOC. ENVIRONMENTAL ANALYST

SIGNATURE Debra Domenici DATE 2/8/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-047-37776

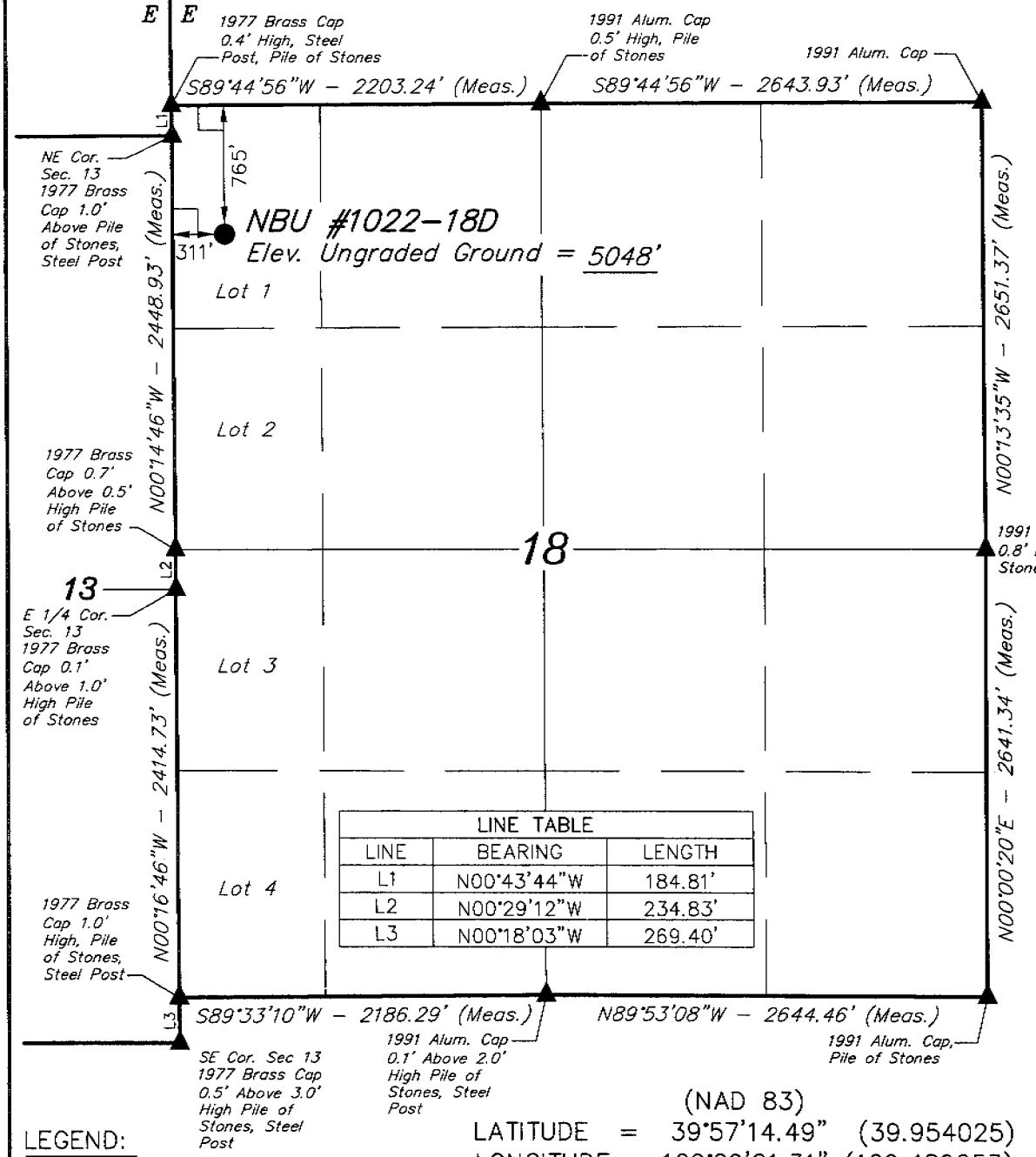
Approved by the Utah Division of Oil, Gas and Mining
Date: 03-15-06
By:

RECEIVED
FEB 14 2006

(11/2001) (See Instructions on Reverse Side)

T10S, R22E, S.L.B.&M.

R 21 E | R 22 E



LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°43'44"W	184.81'
L2	N00°29'12"W	234.83'
L3	N00°18'03"W	269.40'

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°57'14.49" (39.954025)
LONGITUDE = 109°29'21.31" (109.489253)

(NAD 27)
LATITUDE = 39°57'14.61" (39.954058)
LONGITUDE = 109°29'18.84" (109.488567)

Kerr-McGee Oil & Gas Onshore LP

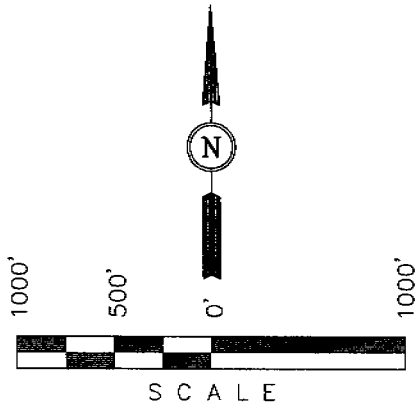
Well location, NBU #1022-18D, located as shown in the NW 1/4 NW 1/4 (Lot 1) of Section 18, T10S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 01-15-06

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	11-28-05	11-29-05
PARTY: T.A. J.H. P.M.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: Kerr-McGee Oil & Gas Onshore LP	

NBU 1022-18D
NWNW SEC 18-T10S-R22E
UINTAH COUNTY, UTAH
ML-22973

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1250'
Wasatch	4425'
Mesaverde	6850'
TD	8900'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1250'
Gas	Wasatch	4425'
Gas	Mesaverde	6850'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8900' TD, approximately equals 5518 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3560 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

Kerr-McGee Oil & Gas Onshore LP

DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.		DATE	December 27, 2005	
WELL NAME	**NBU 1022-18D**		TD	8,900' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	5,048' GL KB 5,063'
SURFACE LOCATION	NWNW LOT 1 SECTION 18-T10S-R22E 765'FNL & 311'FWL			BHL	Straight Hole
	Latitude: 39.954025 Longitude: 109.489253				
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (surface/minerals), UTDOGM, Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,425'					
	Green River @ 1,250 Preset f/ GL @ 1900 MD				
Mud logging program TBD Open hole logging program f/ TD - surf csg					Water/Fresh Water Mud
			7-7/8"	4-1/2", 11.6#, M80, I80 or equivalent LTC csg	8.3-11.0 ppg
	Wasatch @ 4,425'				
	Mverde @ 6,850'				
		TD @ 8,900'			Max anticipated Mud required 11.0 ppg

Kerr-McGee Oil & Gas Onshore LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								2270	1370	254000
SURFACE	9-5/8"	0	to	1900	32.30	H-40	STC	0.72********	1.66	4.73
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	8900	11.60	M-80 or I-80	LTC	2.48	1.25	2.23

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.0 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3133 psi

******** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,920'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	410	60%	11.00	3.38
	TAIL	4,980'	50/50 Poz/G + 10% salt + 2% gel	1390	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

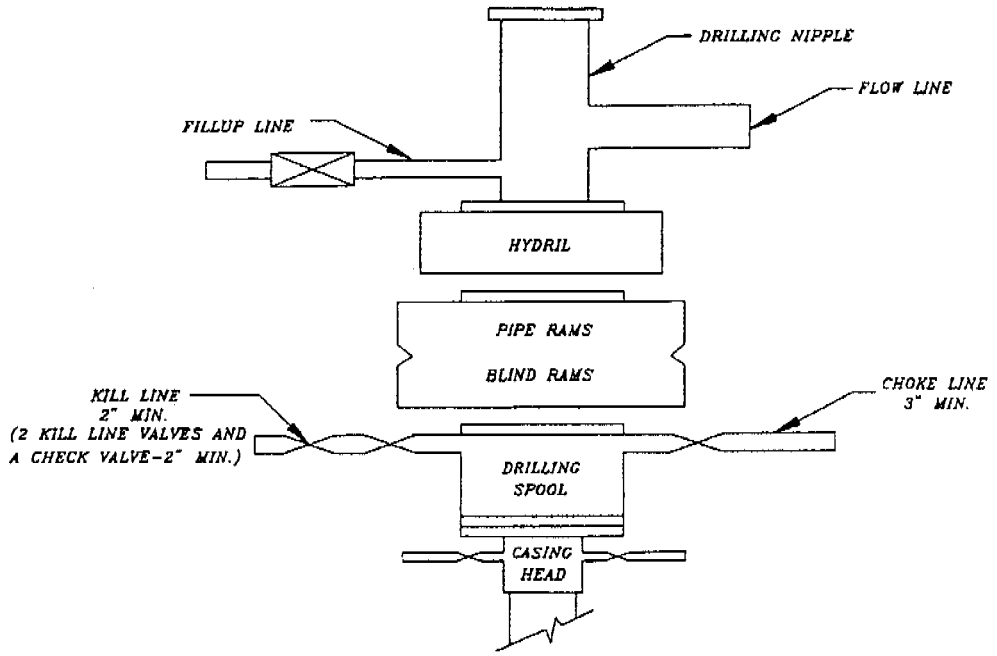
DRILLING ENGINEER: _____ DATE: _____

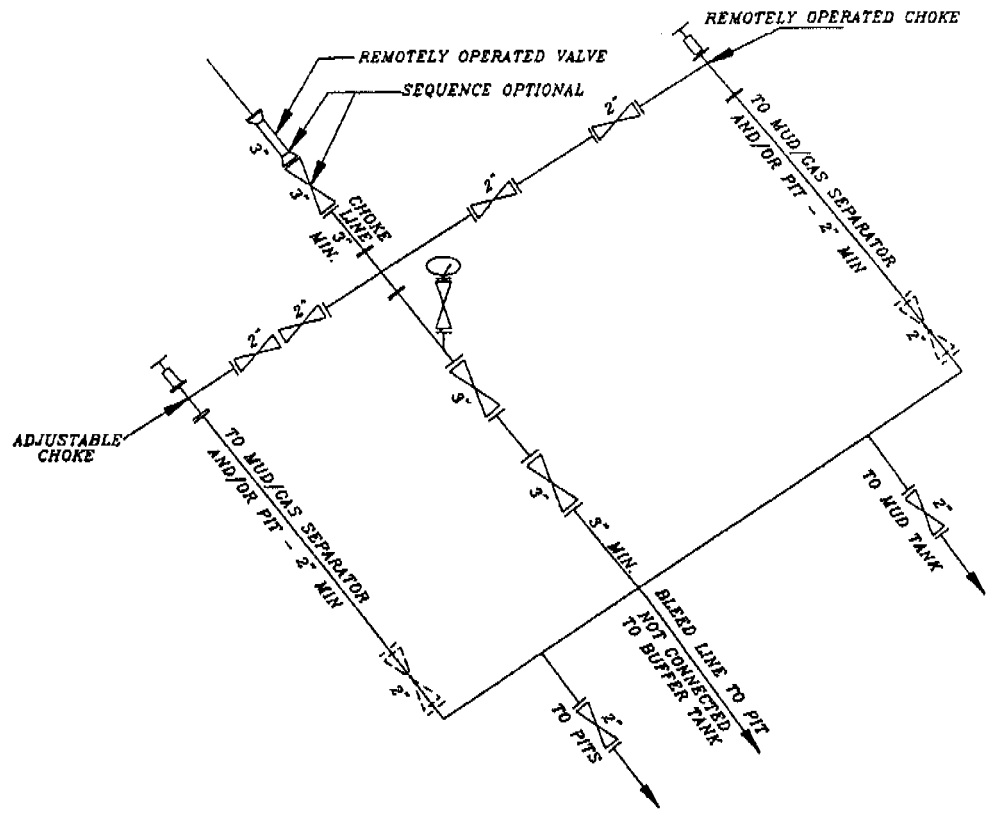
Brad Laney

DRILLING SUPERINTENDENT: _____ DATE: _____

Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 1022-18D
NWNW SEC 18-T10S-R22E
Uintah County, UT
ML-22973

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes

will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 3850' of pipeline is proposed. Refer to Topo D for the proposed pipeline.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and is attached.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certifcation:

Debra Domenici
Associate Environmental Analyst
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7060

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005236.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Debra Domenici

2/8/2006
Date

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-18D
SECTION 18, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 7.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.9 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-18D

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T10S, R22E, S.L.B.&M.

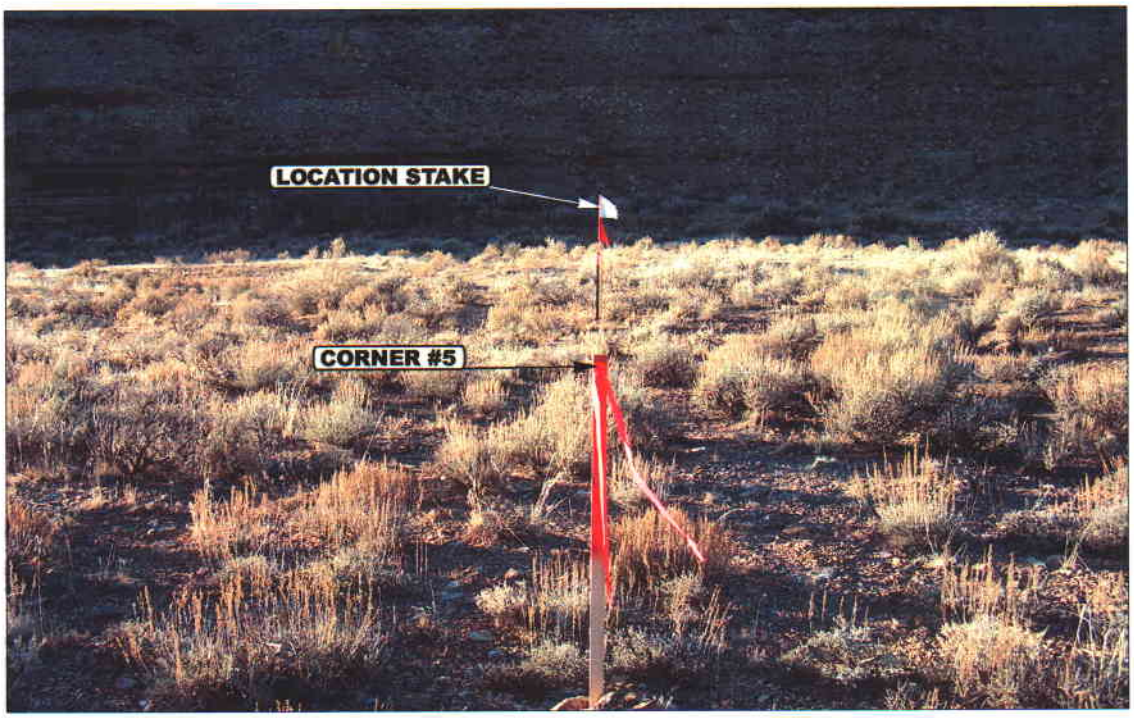


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: SOUTHWESTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	11 MONTH	30 DAY	05 YEAR	PHOTO
TAKEN BY: T.A.	DRAWN BY: C.P.	REVISED: 01-15-06		

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-18D

PIPELINE ALIGNMENT

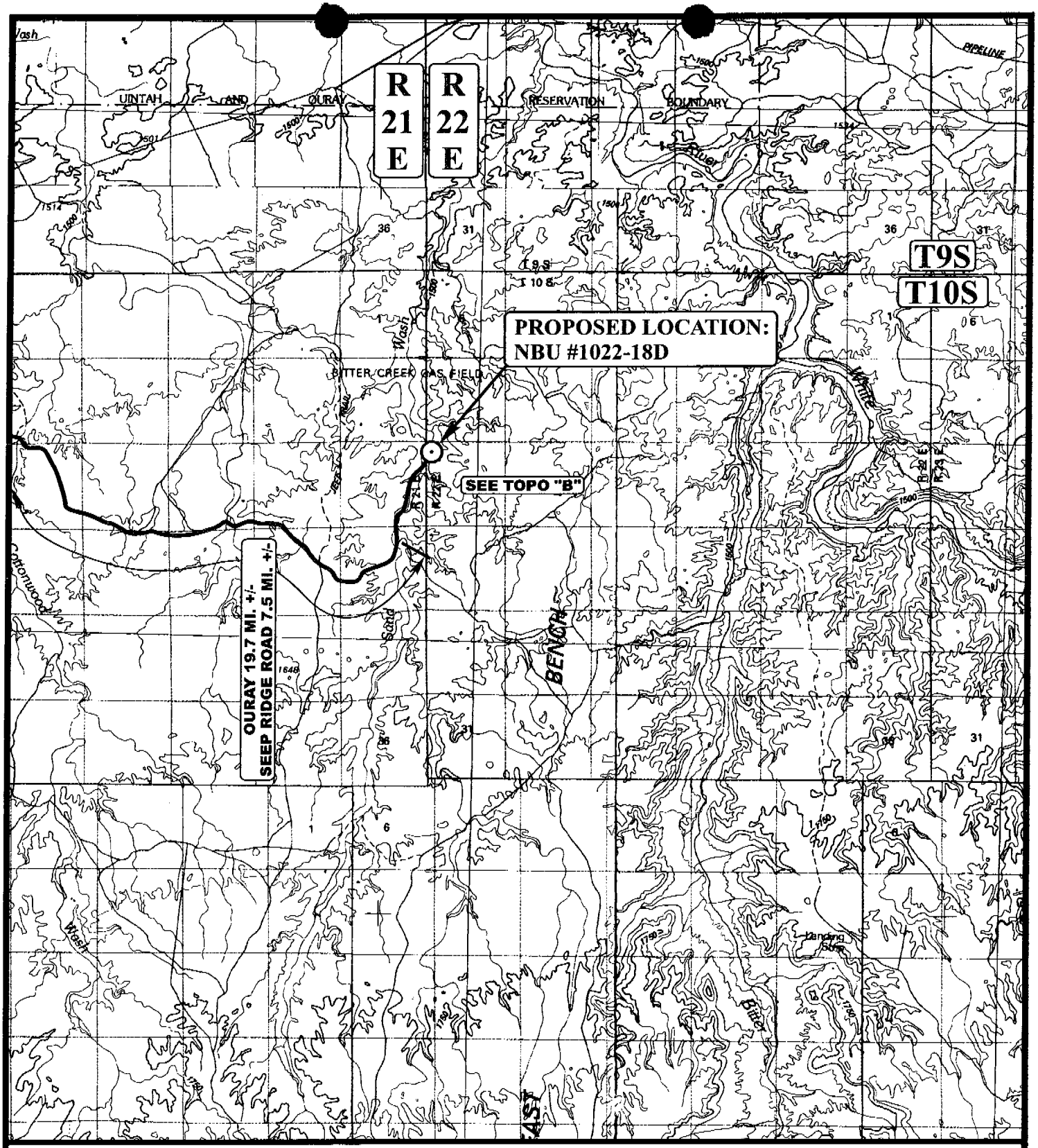
LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T10S, R22E, S.L.B.&M.

PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: NORTHERLY**

PHOTO: VIEW OF PIPELINE ALIGNMENT **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS	11 MONTH	30 DAY	05 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: C.P.	REVISED: 01-15-06		



LEGEND:

⊙ PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

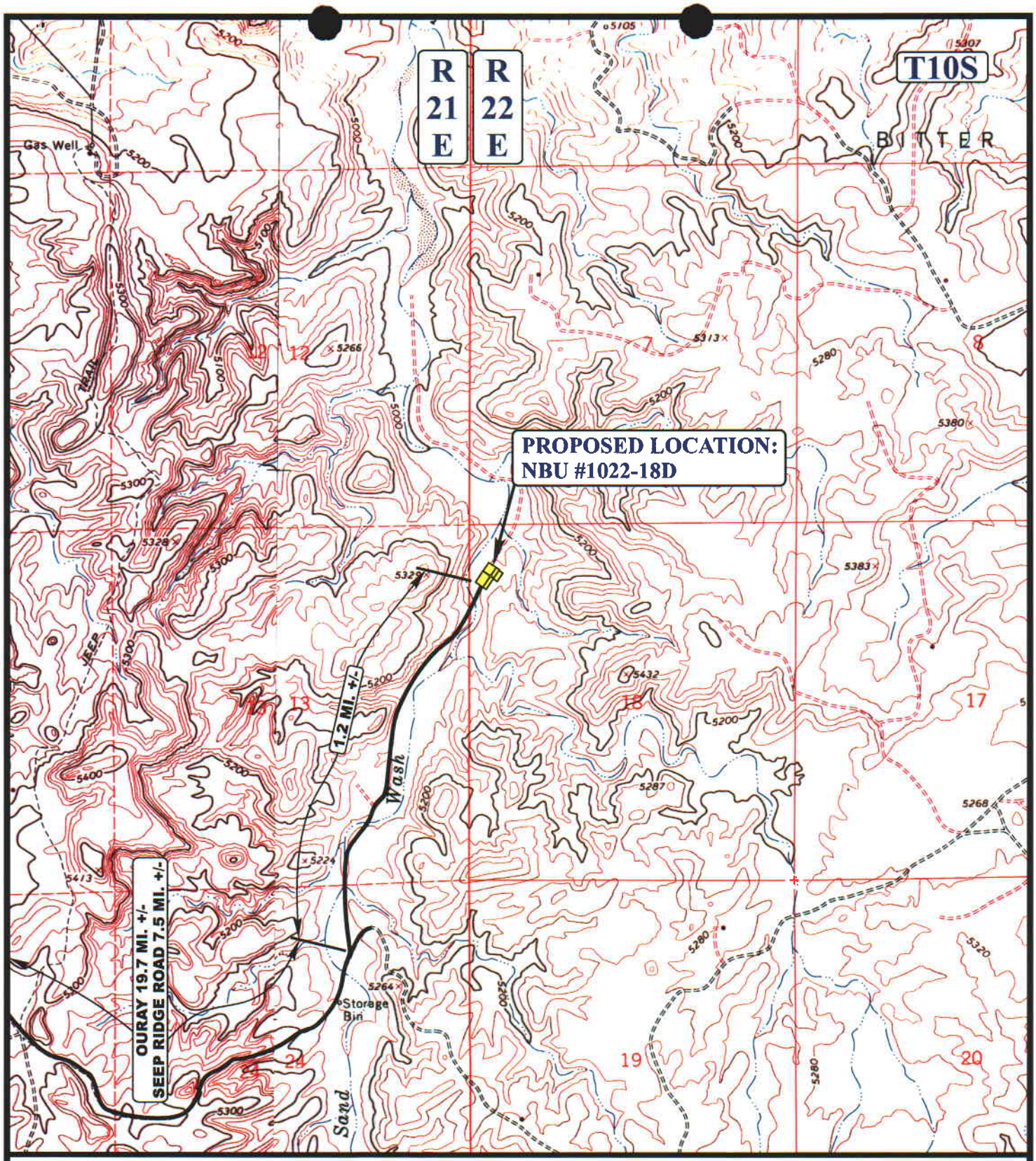
NBU #1022-18D

SECTION 18, T10S, R22E, S.L.B.&M.

765' FNL 311' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	11 MONTH	30 DAY	05 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 01-15-06		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

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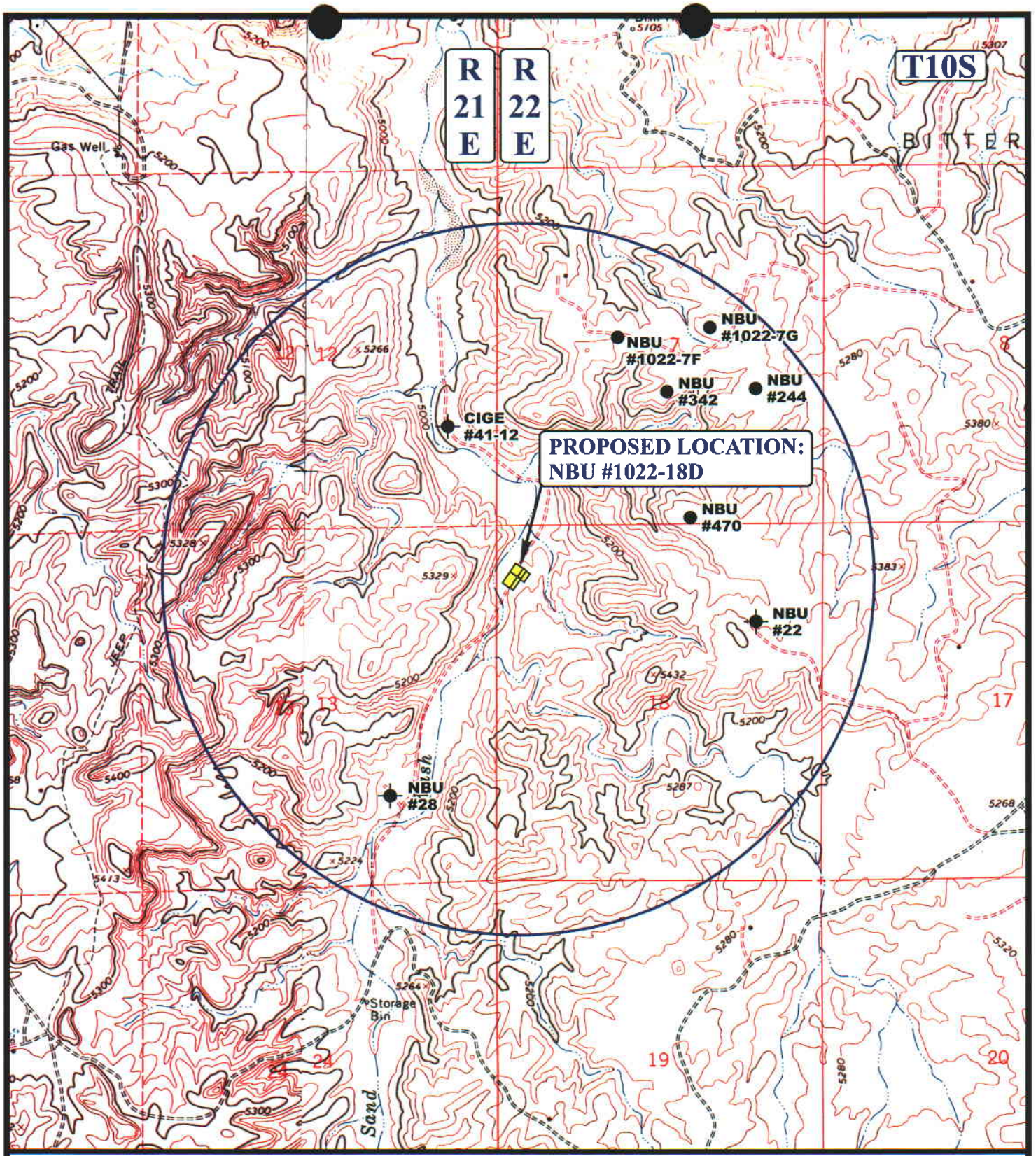
TOPOGRAPHIC MAP	11 MONTH	30 DAY	05 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 01-15-06		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

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765' FNL 311' FEL

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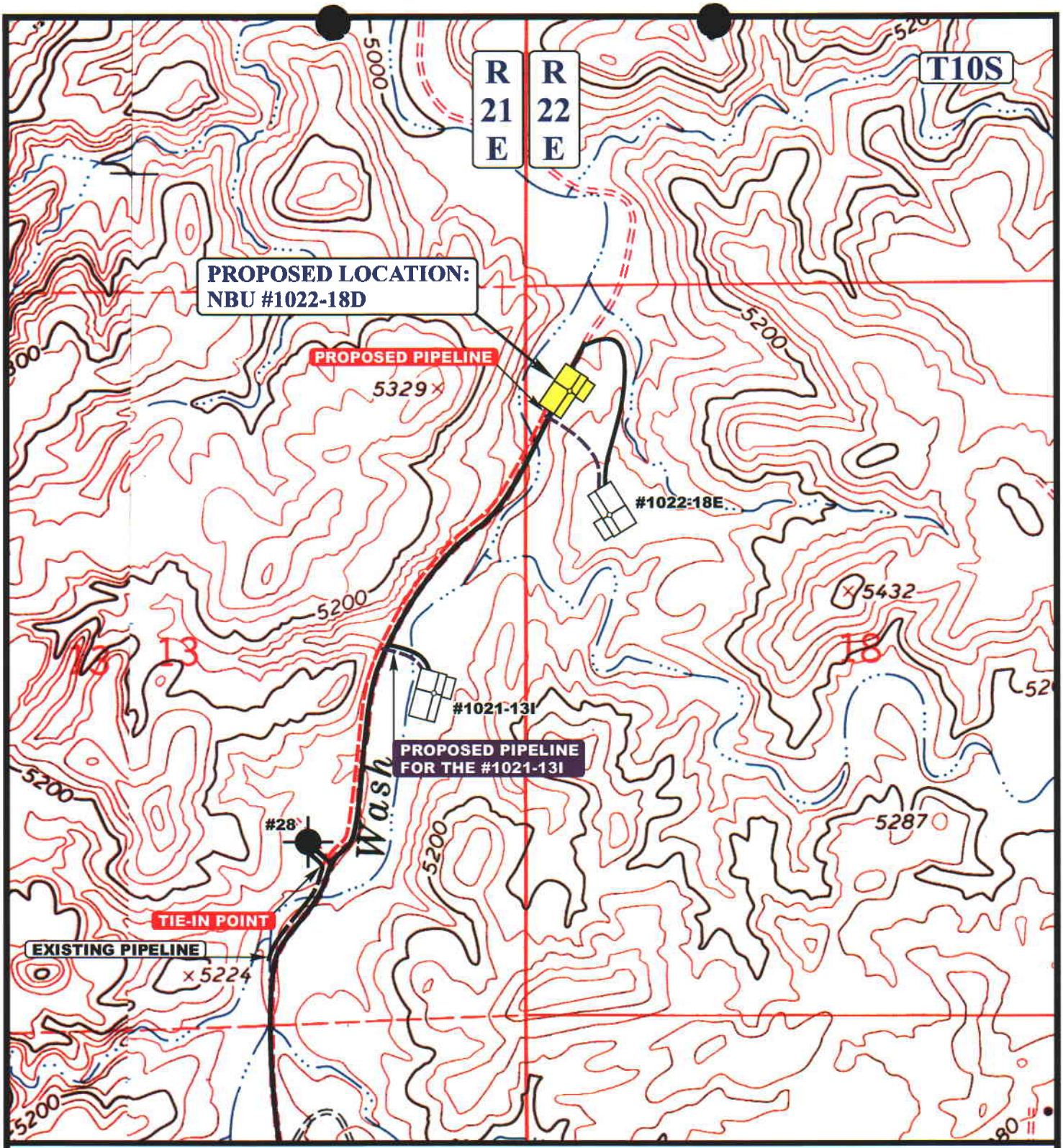
TOPOGRAPHIC MAP	11 MONTH	30 DAY	05 YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 01-15-06	C TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 3,850' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-18D
SECTION 18, T10S, R22E, S.L.B.&M.
765' FNL 311' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

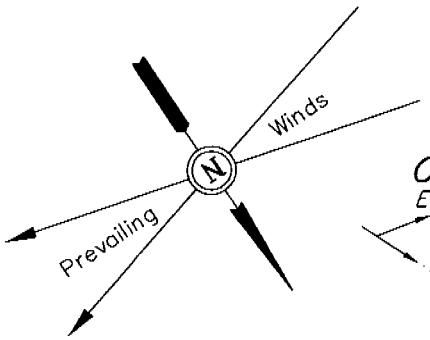
TOPOGRAPHIC MAP	11 MONTH	30 DAY	05 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 01-15-06		

Kerr–McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #1022–18D
SECTION 18, T10S, R22E, S.L.B.&M.
765' FNL 311' FWL



SCALE: 1" = 50'
DATE: 11–29–05
Drawn By: P.M.
Revised: 01–15–06

CONSTRUCT DIVERSION DITCH

Approx. Toe of Fill Slope

C–10.3'
El. 56.5'

F–16.3'
El. 29.9'

F–0.9'
El. 45.3'

Sta. 3+50

Round Corners as Needed

Topsoil Stockpile

Existing Drainage

200'

Existing Re–Habbed Road

Approx. Top of Cut Slope

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Pit Topsoil

PIPE TUBS

PIPE RACKS

CATWALK

FLARE PIT

C–7.5'
El. 53.7'

Blooie Line

C–1.7'
El. 47.9'

F–16.7'
El. 29.5'

El. 66.1'
C–29.9'
(btm. pit)

100'

RIG

135'

Sta. 1+50

58'

MUD TANKS

DOG HOUSE

TOILET

TRAILER

C–7.0'
El. 53.2'

LIGHT PLANT

BOILER

COMPRESSOR

WATER TANK

PUMP HOUSE

MUD TANKS

BOOSTER

RESERVE PITS
(10' Deep)

15' WIDE BENCH

150'

1 1/2:1 Slope

Total Pit Capacity
W/2' of Freeboard
= 15,490 Bbls. ±
Total Pit Volume
= 4,280 Cu. Yds.

Sta. 0+50

TRASH

Existing Drainage

C–3.2'
El. 49.4'

PROPANE STORAGE

El. 53.7'
C–17.5'
(btm. pit)

15' WIDE BENCH

F–1.5'
El. 44.7'

Sta. 0+00

CONSTRUCT DIVERSION DITCH

Reserve Pit Backfill & Spoils Stockpile

C–2.8'
El. 49.0'

Proposed Access Road to the #1022–18E

F–7.7'
El. 38.5'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5047.9'

FINISHED GRADE ELEV. AT LOC. STAKE = 5046.2'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789–1017

Kerr-McGee Oil & Gas Onshore LP

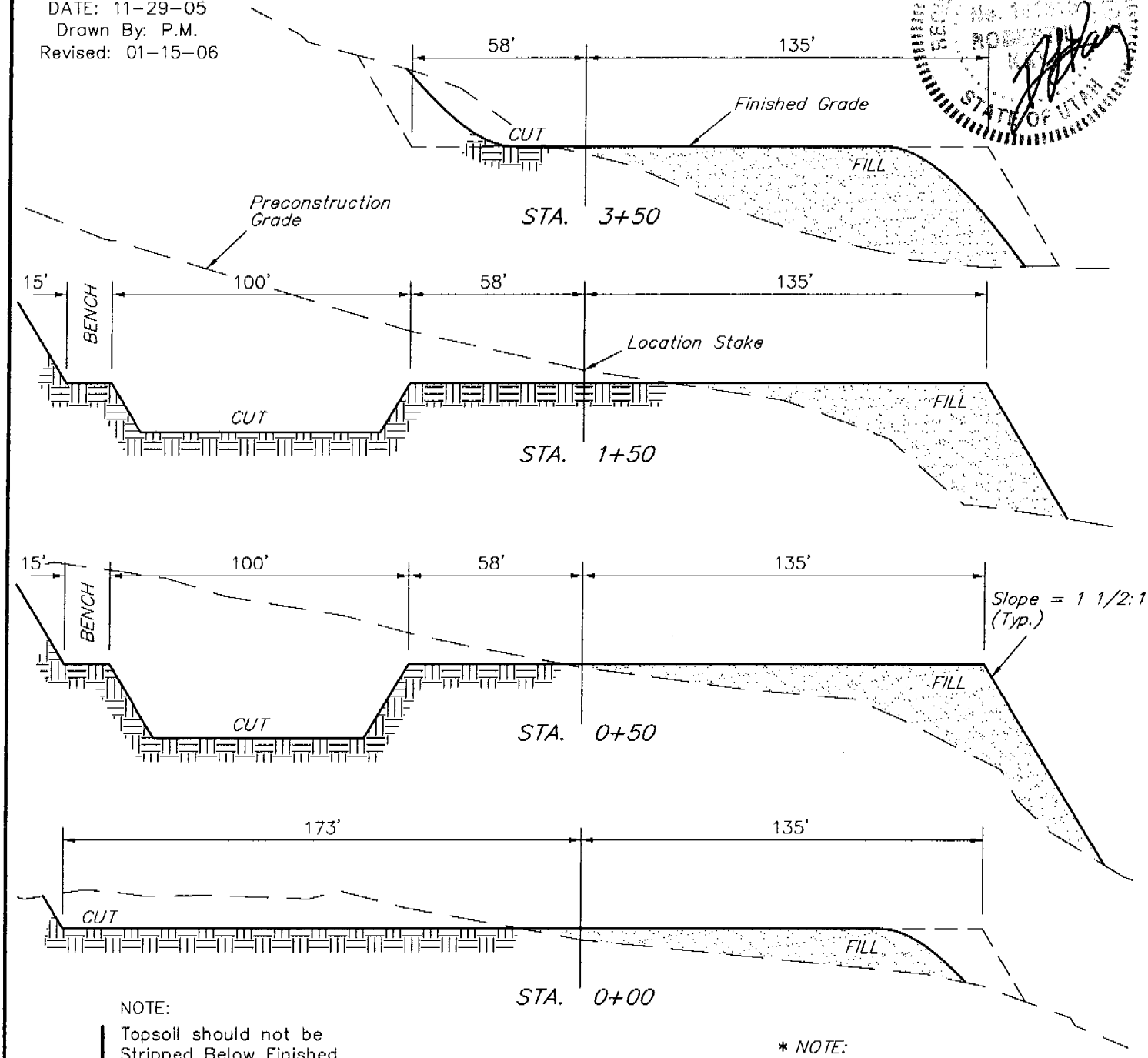
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1022-18D
SECTION 18, T10S, R22E, S.L.B.&M.
765' FNL 311' FWL

1" = 20'
X-Section Scale
1" = 50'

DATE: 11-29-05
Drawn By: P.M.
Revised: 01-15-06



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 2,210 Cu. Yds.
Remaining Location = 17,390 Cu. Yds.

TOTAL CUT = 19,600 CU.YDS.
FILL = 15,250 CU.YDS.

EXCESS MATERIAL = 4,350 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 4,350 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/14/2006

API NO. ASSIGNED: 43-047-37776

WELL NAME: NBU 1022-18D

OPERATOR: WESTPORT OIL & GAS CO (N2115)

PHONE NUMBER: 435-781-7060

CONTACT: DEBRA DOMENICI

PROPOSED LOCATION:

NWNW 18 100S 220E

SURFACE: 0765 FNL 0311 FWL

BOTTOM: 0765 FNL 0311 FWL

COUNTY: UINTAH

LATITUDE: 39.95405 LONGITUDE: -109.4884

UTM SURF EASTINGS: 629120 NORTHINGS: 4423541

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	3/14/06
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22973

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 3 - State

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. RLB0005236)

N Potash (Y/N)

✓ Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-99

Siting: 460' fr u bdrs & Uncomm. tract

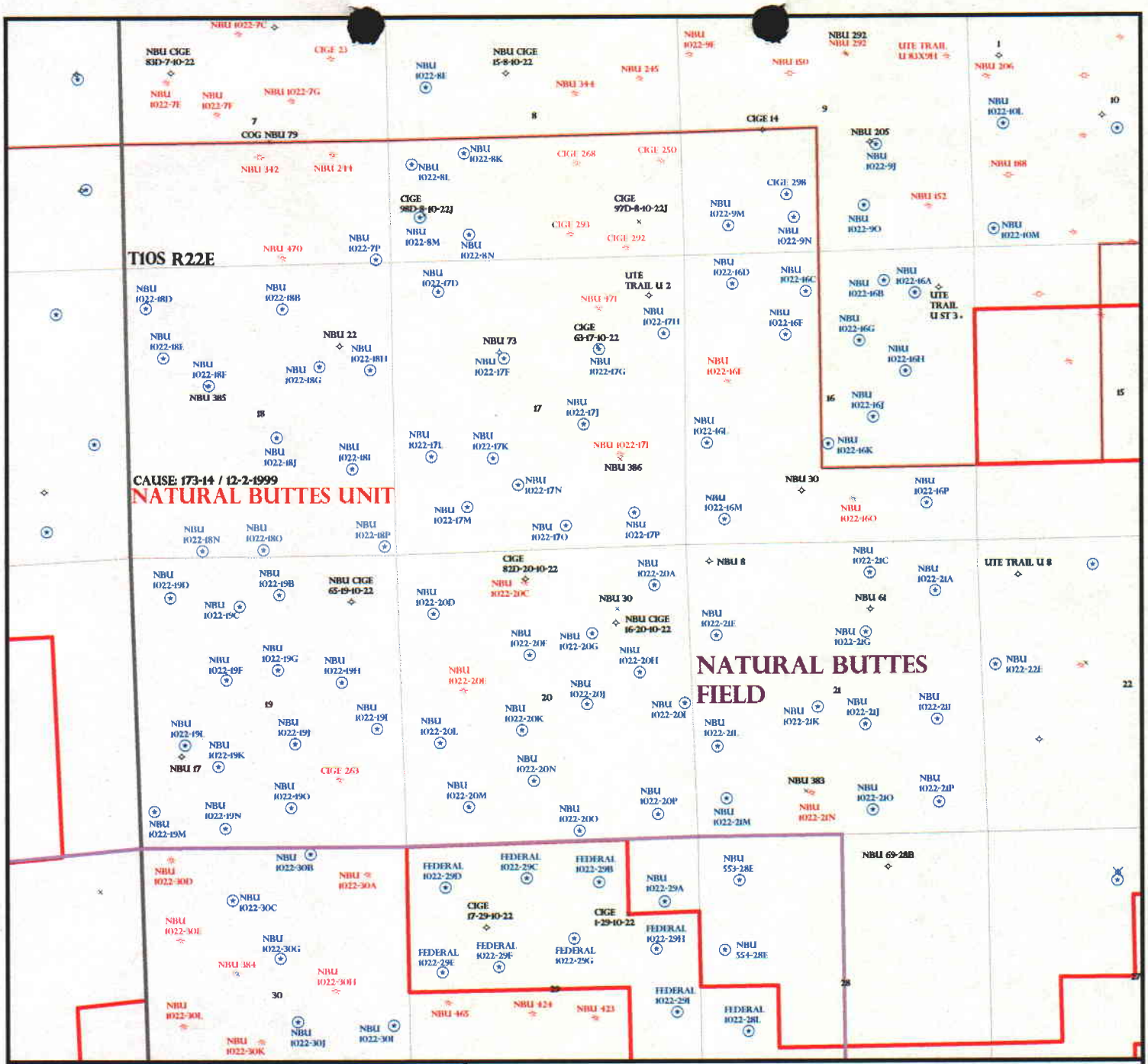
___ R649-3-11. Directional Drill

COMMENTS: Needs Presite (02-23-06)

STIPULATIONS: 1- Oil Shale

2- Statement of Basis

3- Surface Csg Cmt Stip



OPERATOR: WESTPORT O&G CO (N2115)

SEC: 16,18,19 T. 10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA WHITNEY
DATE: 16-FEBRUARY-2006

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

OPERATOR: Westport Oil & Gas Company, L.P.
WELL NAME & NUMBER: NBU 1022-18D
API NUMBER: 43-047-37776
LOCATION: 1/4,1/4 NW/NW Sec: 18 *TWP*: 10S *RNG*: 22E ; 765' FNL 311'FWL

Geology/Ground Water:

Westport proposes to set 1,900' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 5,000'. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of Section 18. This well is over a mile from the proposed site. The well is owned by the BLM and is used for stock watering. Depth for the well is listed as 1,850 feet.. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The production casing cement should be brought above the base of the moderately saline groundwater to isolate it from fresher waters uphole.

Reviewer: Brad Hill **Date:** 03/02/06

Surface:

The pre-drill investigation of the surface was performed on February 23, 2006. Ed Bonner and Jim Davis of SITLA and Ben Williams of UDWR were invited to attend the presite on Feb.14, 2006. Mr. Davis and Mr. Williams attended.

The site is State Surface and State Mineral. Two small drainages will be diverted around the location. The proposed location poses no obvious problems for drilling and appears to be the best location for drilling a well in the immediate area.

Mr. Williams of the UDWR stated that the area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. No other wildlife are expected to be affected. He gave Mr. Davis and Mr. Estes copies of his write-up and a DWR recommended seed mix to use on the reserve pit and when closing the location.

This predrill investigation was conducted on a cool sunny day.

Reviewer: Floyd Bartlett **Date:** 02/28/2006

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 16 mils with a felt sub-liner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Westport Oil & Gas Company, L.P.
WELL NAME & NUMBER: NBU 1022-18D
API NUMBER: 43-047-37776
LEASE: ML-22973 ***FIELD/UNIT***: Natural Buttes
LOCATION: 1/4,1/4 NW/NW ***Sec***: 18 ***TWP***: 10S ***RNG***: 22E ; 765' FNL 311' FWL
LEGAL WELL SITING: F ***SEC. LINE;*** F ***1/4,1/4 LINE;*** F ***ANOTHER WELL.***
GPS COORD (UTM): 4423541 Y 0629120 X ***SURFACE OWNER***: State of Utah (SITLA)

PARTICIPANTS

Floyd Bartlett and David Hackford (DOGM), Carol Estes, Debora Domenici, Clay Einerson (Westport), David Kay and Luke Kay (Uintah Engineering & Land Survey), Jim Davis (SITLA), Ben Williams (Utah Division of Wildlife Resources).

REGIONAL/SETTING TOPOGRAPHY

General area is the Sand Wash Drainage of Uintah, County. Sand Wash is approximately 36 air miles south of Vernal, Utah and approximately 21 miles southeast of Ouray, Utah. Access is by State of Utah Highway, Uintah County and oilfield development roads.

Topography is characterized by broad open flats dissected by numerous sub-drainages, which often become steep with ridges and draws with exposed sandstone layers. No perennial streams occur in drainage. Individual draws or washes are ephemeral with spring runoff or flows from sometimes-intense summer rainstorms. White River is to the northeast about 4 miles. No springs exist in the area. An occasional constructed pond occurs furnishing water for antelope or livestock.

This site is in the bottom of Sand Wash on the east side of the drainage. It lies on a gentle slope leading to the west from steep hills or walls, which border the wash. It is above the flood plain of Sand Wash. No new road will be constructed. A rehabbed road, which served an adjacent P/A well, will be reused.

SURFACE USE PLAN

CURRENT SURFACE USE: Sheep grazing, limited hunting and recreation.

PROPOSED SURFACE DISTURBANCE: Location of 350'x 193' and a reserve pit of 100' x 150'x 10 feet deep and an additional 15' wide bench. No new road will be required. All material for the location and road will be obtained onsite.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS data base.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. A pipeline 3,850 feet in length will follow the access road and serve other wells in the area.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be obtained from the site.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST CONCERNS? (EXPLAIN). Unlikely, as the general use in the area is oil-field related with numerous other wells in the surrounding area.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None; the location is above the floodplain.

FLORA/FAUNA: A moderate cover of desert type vegetation consisting primarily of big sagebrush, cheat grass, shadscale and halogeton occupies the site. Antelope, rabbits, small reptiles, birds and mammals. Sheep graze the area in the winter.

SOIL TYPE AND CHARACTERISTICS: Sandy loam alluvial surface with a few small rock.

EROSION/SEDIMENTATION/STABILITY: Little natural erosion. Sedimentation and stability are not a problem and location construction shouldn't cause an increase in stability or erosion problems. Two small drainages will be intercepted and diverted around the pad.

PALEONTOLOGICAL POTENTIAL: Survey completed by IPC on 9/27/05 and a report will be provided for the file.

RESERVE PIT

CHARACTERISTICS: 100' by 150' and 10'deep. The reserve pit is all within cut on the north east side of the location. A 15' wide bench is planned around the outer edges and 2 ' of freeboard.

LINER REQUIREMENTS (Site Ranking Form attached): Level 1 sensitivity. A 16 mil liner with a felt pad will be required for the reserve pit.

SURFACE RESTORATION/RECLAMATION PLAN

As per SITLA requirements.

SURFACE AGREEMENT:

As per SITLA requirements.

CULTURAL RESOURCES/ARCHAEOLOGY: Site was surveyed by MOAC on 09/21/05. A copy has been furnished to SITLA.

OTHER OBSERVATIONS/COMMENTS

Ben Williams of the UDWR stated that the area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. No other wildlife is expected to be affected.

This predrill investigation was conducted on a cool sunny day.

ATTACHMENTS

Photos of this site were taken and placed on file.

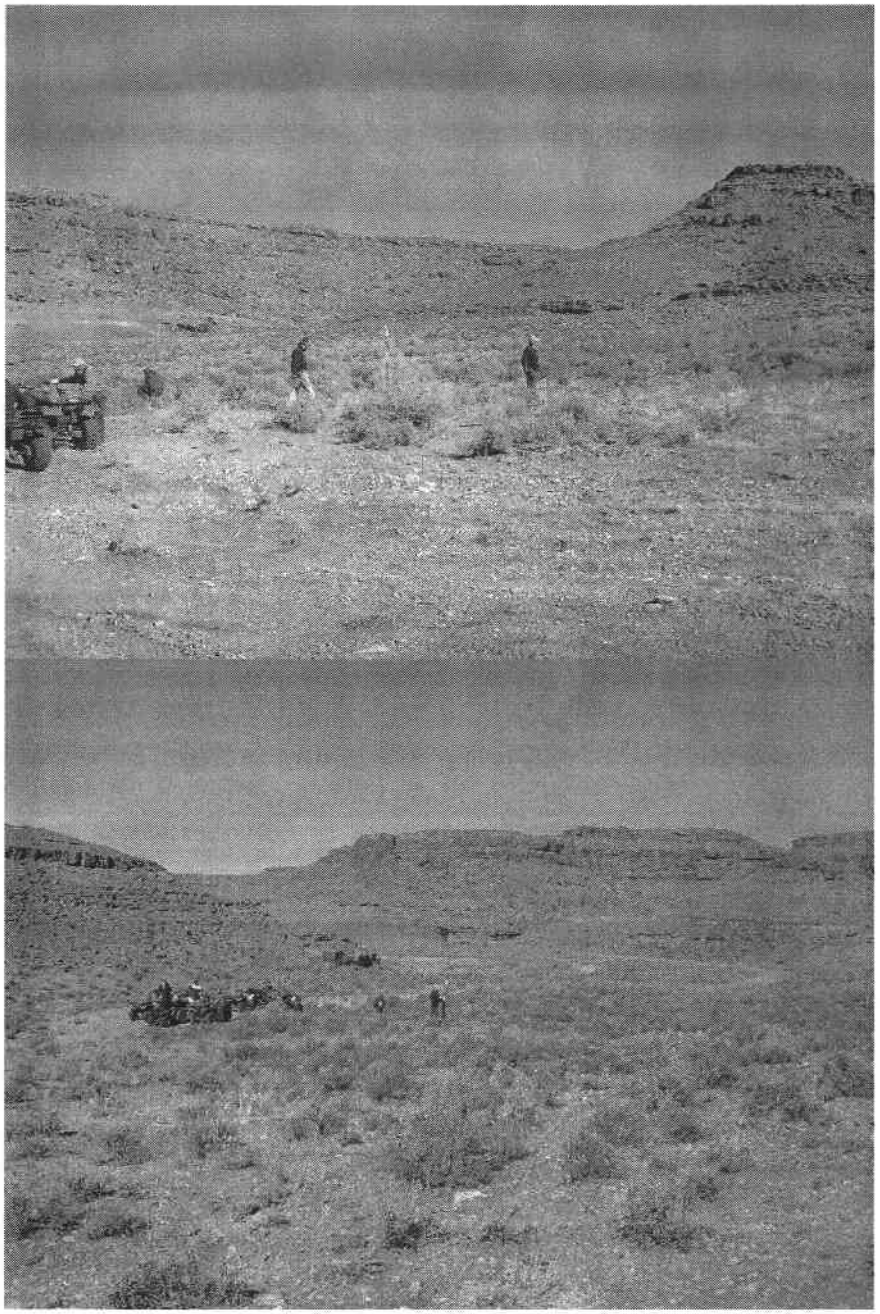
FLOYD BARTLETT	02/23/06; 1:45 PM
DOGM REPRESENTATIVE	DATE/TIME

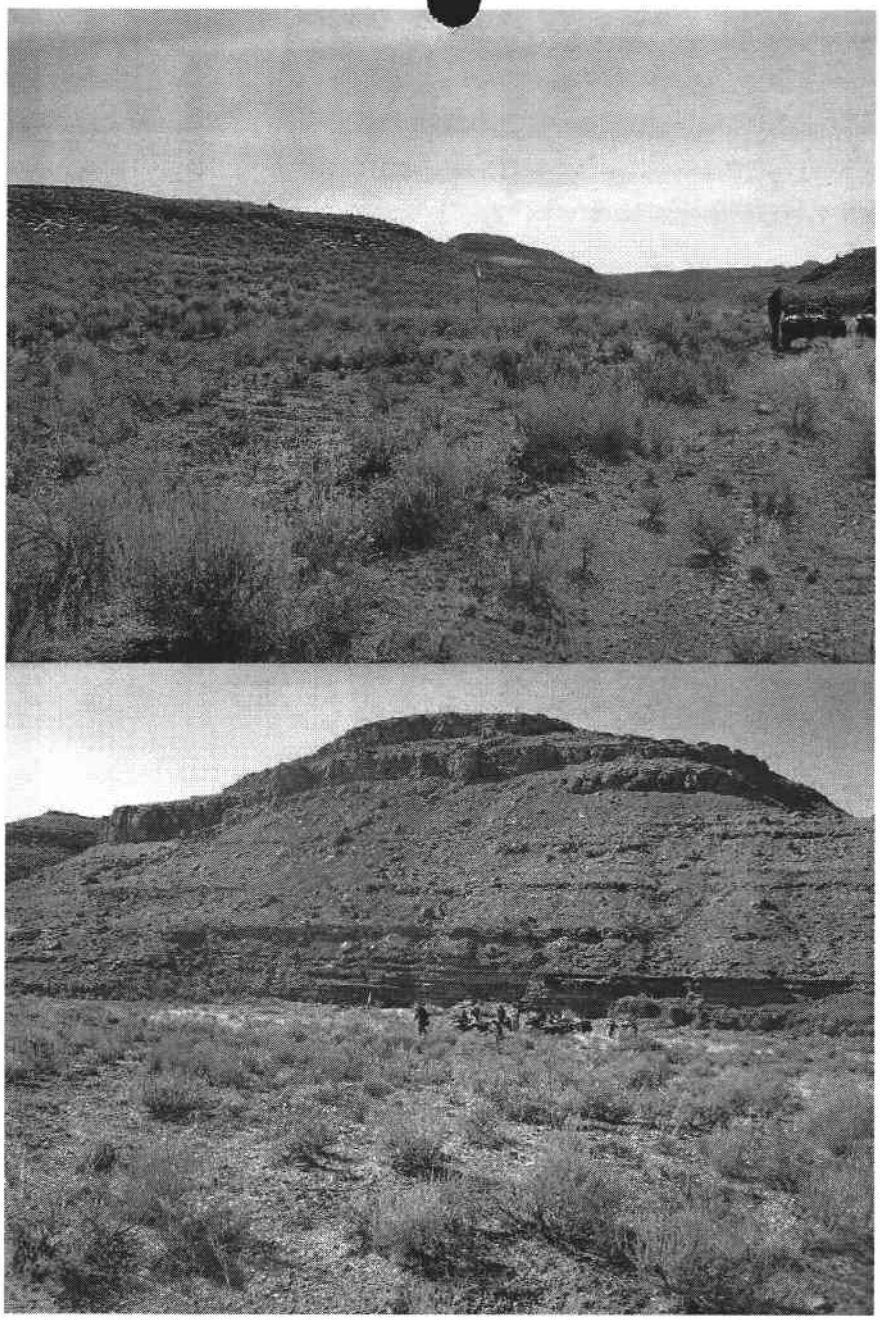
Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	0
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	10
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	10
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	15 20	5
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0

Final Score 25 (Level I Sensitivity)

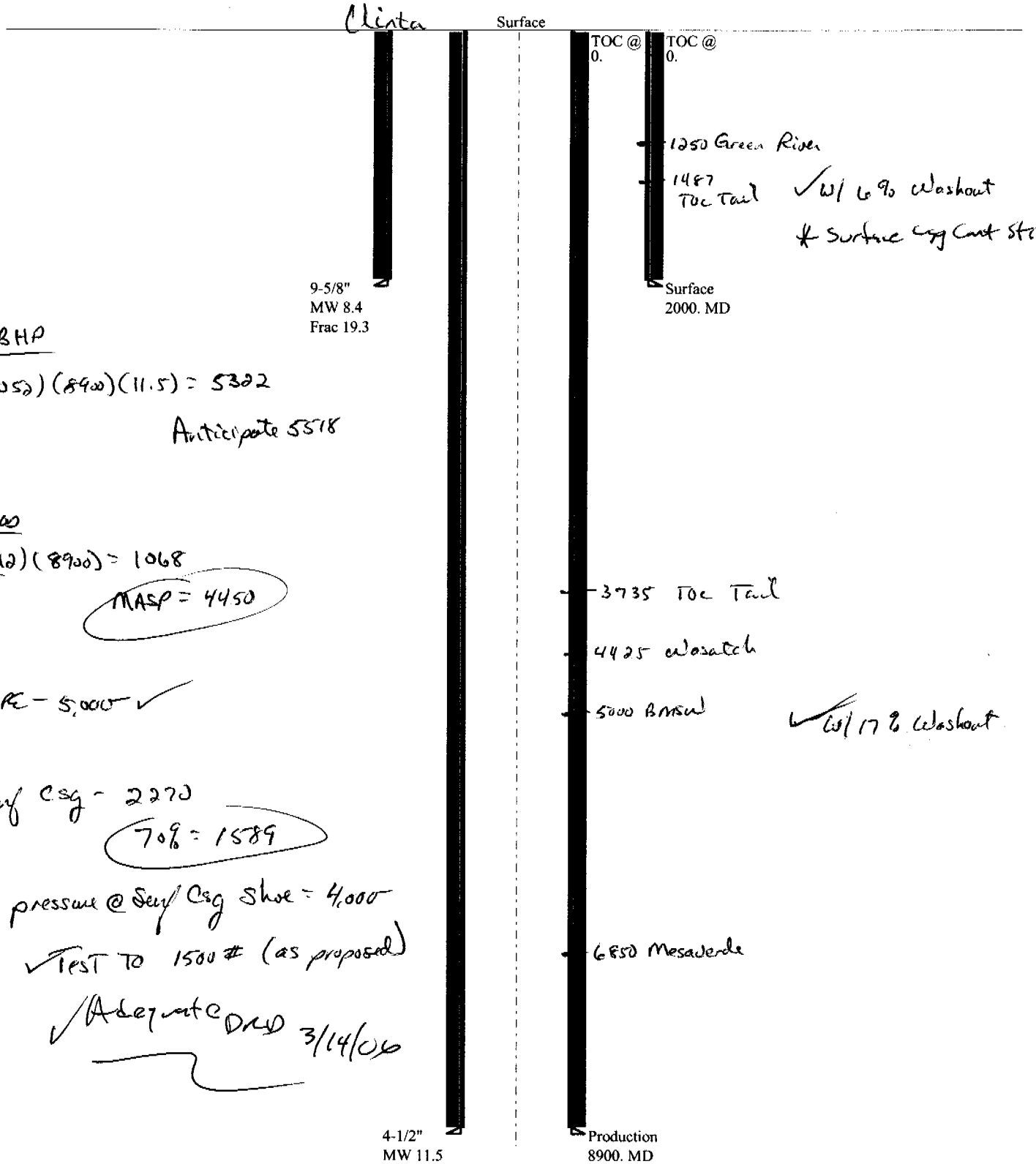
Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level I = 15-19; lining is discretionary.
Sensitivity Level II = below 15; no specific lining is required.





03-06 Westport NBU 1022-8D

Casing Schematic



✓ w/ 6% Washout

* Surface Csg Cmt Step

BHP

(.052)(8900)(11.5) = 5322

Anticipate 5518

Gas

(.12)(8900) = 1068

MASP = 4450

BOPE - 5,000 ✓

✓ w/ 17% Washout

Surf Csg - 2270

70% = 1589

Max pressure @ Surf Csg Shoe = 4,000

✓ Test to 1500 # (as proposed)

✓ Adequate DKD 3/14/06

Well name:	**03-06 Westport NBU 1022-18D**
Operator:	**Westport Oil & Gas**
String type:	Surface
Location:	Uintah County
Project ID:	43-047-37776

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,000 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,753 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 103 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 8,900 ft
Next mud weight: 11.500 ppg
Next setting BHP: 5,317 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2000	9.625	32.30	H-40	ST&C	2000	2000	8.876	126.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	2000	2270	1.14	57	254	4.49 J

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining
Phone: 801-538-5280
FAX: 801-359-3940
Date: March 3,2006
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**03-06 Westport NBU 1022-18D**
Operator:	**Westport Oil & Gas**
String type:	Production
Project ID:	43-047-37776
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 11.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 4,249 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 5,317 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,370 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 200 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	8900	4.5	11.60	M-80	LT&C	8900	8900	3.875	206.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5317	6350	1.194	5317	7780	1.46	85	267	3.12 B

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining
Phone: 801-538-5280
FAX: 801-359-3940
Date: March 3,2006
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8900 ft, a mud weight of 11.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

From: Ed Bonner
To: Whitney, Diana
Date: 2/22/2006 4:16:52 PM
Subject: Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Newfield Production Company
- Gilsonite State G-32-8-17
- Gilsonite State H-32-8-17
- Gilsonite State M-32-8-17
- Gilsonite State N-32-8-17
- Gilsonite State Q-32-8-17
- Castle Draw State G-2-9-17
- Monument Butte State I-36-8-16
- Monument Butte State L-36-8-16
- Monument Butte State S-36-8-16

Westport Oil & Gas Company
- NBU 1022-16J
- NBU 1022-16L
- NBU 1022-16P
- NBU 1022-18B
- NBU 1022-18D
- NBU 1022-18E
- NBU 1022-18G
- NBU 1022-18H
- NBU 1022-18I
- NBU 1022-18J
- NBU 1022-18N
- NBU 1022-18O
- NBU 1022-18P

If you have any questions regarding this matter please give me a call.

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 2, 2006

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch-MesaVerde)		
43-047-37738	NBU 1022-19F	Sec 19 T10S R22E 2239 FNL 1622 FWL
43-047-37739	NBU 1022-19D	Sec 19 T10S R22E 0732 FNL 0640 FWL
43-047-37740	NBU 1022-19C	Sec 19 T10S R22E 0896 FNL 1891 FWL
43-047-37765	NBU 1022-16J	Sec 16 T10S R22E 2302 FSL 1901 FEL
43-047-37766	NBU 1022-16P	Sec 16 T10S R22E 0724 FSL 0973 FEL
43-047-37767	NBU 1022-16L	Sec 16 T10S R22E 1904 FSL 0343 FWL
43-047-37768	NBU 1022-18H	Sec 18 T10S R22E 1947 FNL 0465 FEL
43-047-37769	NBU 1022-18G	Sec 18 T10S R22E 1870 FNL 1383 FEL
43-047-37770	NBU 1022-18I	Sec 18 T10S R22E 1592 FSL 0803 FEL
43-047-37771	NBU 1022-18E	Sec 18 T10S R22E 1656 FNL 0606 FWL
43-047-37772	NBU 1022-18J	Sec 18 T10S R22E 2158 FSL 2171 FEL
43-047-37773	NBU 1022-18N	Sec 18 T10S R22E 0125 FSL 1249 FWL
43-047-37774	NBU 1022-18B	Sec 18 T10S R22E 0818 FNL 2040 FEL
43-047-37775	NBU 1022-18P	Sec 18 T10S R22E 0169 FSL 0249 FEL
43-047-37776	NBU 1022-18D	Sec 18 T10S R22E 0765 FNL 0311 FWL
43-047-37777	NBU 1022-18O	Sec 18 T10S R22E 0134 FSL 2445 FEL
43-047-37783	NBU 1022-19K	Sec 19 T10S R22E 1509 FSL 1427 FWL
43-047-37778	NBU 1022-19H	Sec 19 T10S R22E 2298 FNL 1086 FEL
43-047-37779	NBU 1022-19B	Sec 19 T10S R22E 0696 FNL 2180 FEL
43-047-37780	NBU 1022-19G	Sec 19 T10S R22E 2069 FNL 2241 FEL
43-047-37781	NBU 1022-19I	Sec 19 T10S R22E 2135 FSL 0460 FEL
43-047-37782	NBU 1022-19O	Sec 19 T10S R22E 0740 FSL 2065 FEL
43-047-37734	NBU 1021-27E	Sec 27 T10S R21E 1862 FNL 0535 FWL
43-047-37728	NBU 1021-28G	Sec 28 T10S R21E 1952 FNL 1971 FEL
43-047-37721	NBU 1021-13C	Sec 13 T10S R21E 0576 FNL 1772 FWL
43-047-37722	NBU 1021-13A	Sec 13 T10S R21E 0651 FNL 1311 FEL

43-047-37723	NBU 1021-13G	Sec	13	T10S	R21E	1444	FNL	2651 FEL
43-047-37724	NBU 1021-13K	Sec	13	T10S	R21E	1935	FSL	1486 FWL
43-047-37725	NBU 1021-13I	Sec	13	T10S	R21E	2353	FSL	0668 FEL
43-047-37727	NBU 1021-13O	Sec	13	T10S	R21E	0777	FSL	1573 FEL
43-047-37761	NBU 920-20P	Sec	20	T09S	R20E	0769	FSL	0978 FEL
43-047-37760	NBU 920-20O	Sec	20	T09S	R20E	0842	FSL	1913 FEL
43-047-37759	NBU 920-20N	Sec	20	T09S	R20E	0803	FSL	1885 FWL
43-047-37758	NBU 920-20M	Sec	20	T09S	R20E	0630	FSL	0838 FWL
43-047-37757	NBU 920-20L	Sec	20	T09S	R20E	2104	FSL	0827 FWL
43-047-37756	NBU 920-20J	Sec	20	T09S	R20E	1466	FSL	1653 FEL
43-047-37755	NBU 920-20I	Sec	20	T09S	R20E	1955	FSL	0717 FEL
43-047-37732	NBU 920-22E	Sec	22	T09S	R20E	2009	FNL	0756 FWL
43-047-37764	NBU 920-24M	Sec	24	T09S	R20E	0614	FSL	0851 FWL
43-047-37753	NBU 920-14M	Sec	14	T09S	R20E	0536	FSL	0612 FWL
43-047-37754	NBU 920-14N	Sec	14	T09S	R20E	0732	FSL	1805 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 15, 2006

Westport Oil & Gas Company, LP
1368 S 1200 E
Vernal, UT 84078

Re: Natural Buttes Unit 1022-18D Well, 765' FNL, 311' FWL, NW NW, Sec. 18, T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37776.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Westport Oil & Gas Company, LP

Well Name & Number Natural Buttes Unit 1022-18D

API Number: 43-047-37776

Lease: ML-22973

Location: NW NW **Sec.** 18 **T.** 10 South **R.** 22 East

Conditions of Approval

1. **General**
   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**
   The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
   - 24 hours prior to cementing or testing casing
   - 24 hours prior to testing blowout prevention equipment
   - 24 hours prior to spudding the well
   - within 24 hours of any emergency changes made to the approved drilling program
   - prior to commencing operations to plug and abandon the well

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):
   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**
   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. Surface casing shall be cemented to the surface.

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22973

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 1022-18D

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

9. API NUMBER: 43-047-37776

3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 765'FNL, 311'FWL LOT 1

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 10S 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PIPELINE CHANGE
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO CHANGE THE EXISTING PIPELINE PROPOSED IN THE ORIGINAL APD. AN ON-SITE WAS CONDUCTED ON 02/23/2006 WITH THE UTDOGM REPRESENTATIVE. WHILE CONDUCTING THE ON-SITE INSPECTION IT WAS DECIDED TO CHANGE THE PIPELINE TO A TOTAL OF APPROXIMATELY 50' +/- OF PIPELINE IS PROPOSED.

PLEASE REFER TO THE ATTACHED TOPO MAP D.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 3/13/2006

(This space for State use only)

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

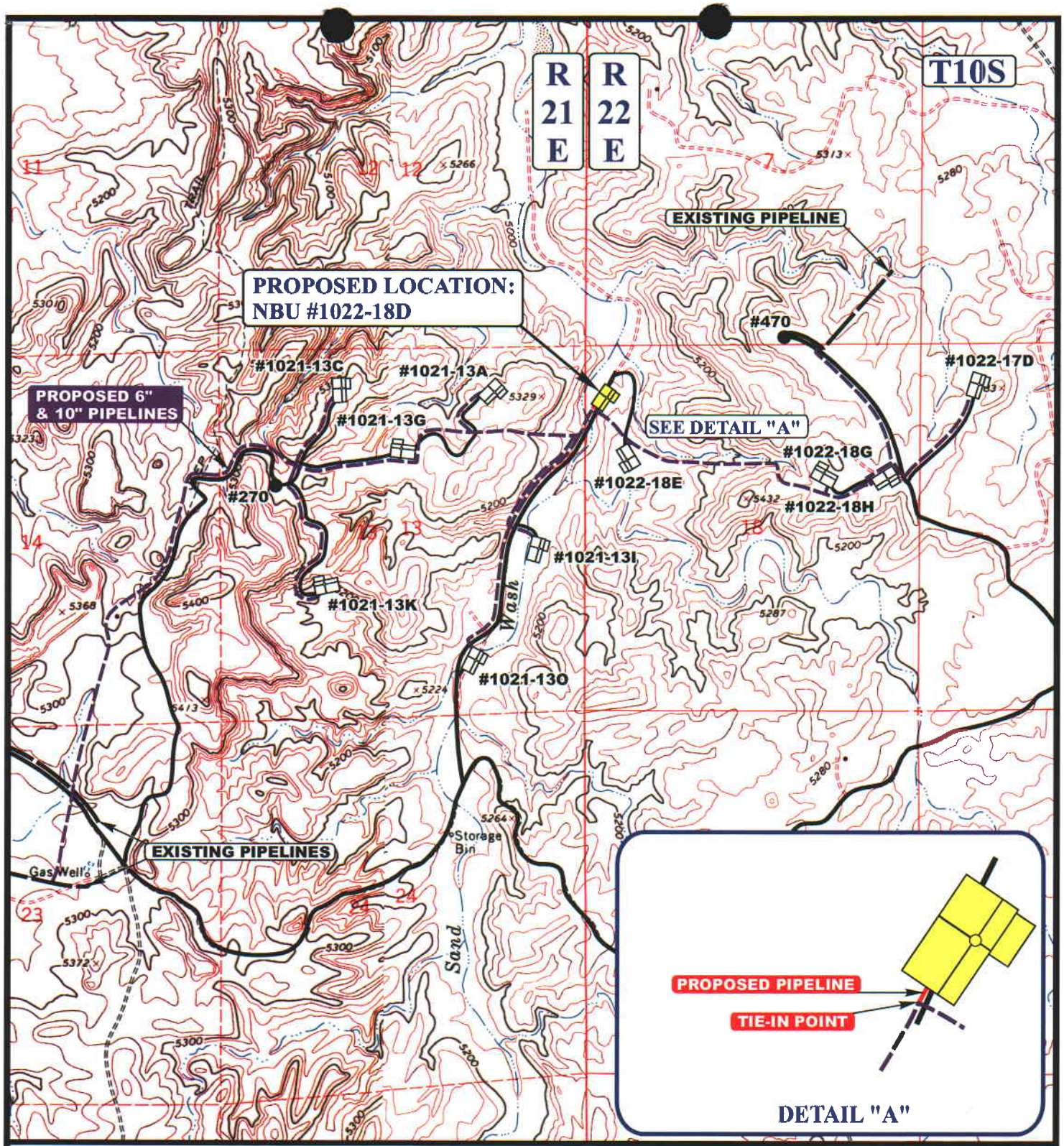
RECEIVED

MAR 2 3 2006

DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

~~Approval~~ Should be obtained from appropriate Land Management Agency/owner



APPROXIMATE TOTAL PIPELINE DISTANCE = 50' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE
PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-18D
SECTION 18, T10S, R22E, S.L.B.&M.
765' FNL 311' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 01 MONTH | 15 DAY | 06 YEAR | D TOPO

SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 03-07-06

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/6/2006**

FROM: (Old Operator):	**TO:** (New Operator):
N2115-Westport Oil & Gas Co., LP	N2995-Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East	1368 South 1200 East
Vernal, UT 84078	Vernal, UT 84078
Phone: 1-(435) 781-7024	Phone: 1-(435) 781-7024

CA No. **Unit:** **NATURAL BUTTES UNIT**

WELL NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 3/7/2006
4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
4b. If **NO**, the operator was contacted contacted on:
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
5c. Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 5/15/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 5/15/2006
3. Bond information entered in RBDMS on: 5/15/2006
4. Fee/State wells attached to bond in RBDMS on: 5/16/2006
5. Injection Projects to new operator in RBDMS on:
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: CO1203
2. Indian well(s) covered by Bond Number: RLB0005239
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236

a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

BLM BOND = CO1203
BIA BOND = RLB0005239

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
RANDY BAYNE	DRILLING MANAGER
Signature	Date
Randy Bayne	May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
BRAD LANEY	ENGINEERING SPECIALIST
Signature	Date
	May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Brad Laney		5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
JUL 31 2006
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304737776	NBU 1022-18D1	NWNW	18	10S	22E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
B	99999	2900	7/31/2006	7/31/06

Comments: MIRU ROCKY MOUNTAIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 07/31/2006 at 1100 hrs.

C

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304735744	FEDERAL 1022-33A	NENE	33	10S	22E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
A	99999	15539	7/25/2006	7/31/06

Comments: MIRU PETE MARTIN BUCKET RIG. MVRD
SPUD WELL LOCATION ON 07/25/2006 AT 1200 HRS.

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304736704	NBU 1022-23ML	SWSW	23	10S	22E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
B	99999	2900	7/26/2006	7/31/06

Comments: MIRU PETE MARTIN AIR RIG. WSMVD
SPUD WELL LOCATION ON 07/26/2006 AT 1700 HRS

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO
Name (Please Print)
Signature
REGULATORY ANALYST
Title
7/31/2006
Date

To	From
GARIGNE Russell	SHEILA UPCHEGO
Co./Dept. UTDOGM	Co. KMG
Phone # (801) 538-5336	Phone (435) 781-7024
Fax # (801) 359-3940	Fax # (435) 781-7094

(5/2000)

KerrMcGee

Kerr McGee Oil and Gas Onshore LP
1368 South 1200 East • Vernal, UT 84078
435-789-4433 • Fax 435-781-7094

August 21, 2006

Diana Whitney
State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling R649-3-11
NBU 1022-18D1 LOT 1, 765'FNL, 311'FWL (Surface)
2320'FNL, 786'FWL (Bottomhole)
Uintah County, Utah

Dear Ms. Whitney:

Pursuant to filling of Kerr McGee Oil & Gas Onshore L.P. Application for Permit to Drill regarding the above referenced well on February 8, 2006, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to location and siting of wells.

- NBU 1022-18D1 is located within the Natural Buttes Unit Area.
- Kerr McGee Oil & Gas Onshore L.P., is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr McGee Oil & Gas Onshore L.P., will be able to utilize the existing road and pipeline in the area.
- Furthermore, Kerr McGee Oil & Gas Onshore L.P. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr McGee Oil & Gas Onshore L.P. requests that the permit be granted pursuant to R649-3-11.

Sincerely,

Sheila Upchego
Regulatory Analyst

RECEIVED
AUG 21 2006
DIV. OF OIL, GAS & MINING

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22973

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 1022-18D1

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304737776

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 765'FNL, 311'FWL LOT 1

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 10S 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELL SPUD - ~~SET SURFACE CSG~~
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU ROCKY MOUNTAIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 07/31/2006 AT 1100 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 7/31/2006

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DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: NBU 1022-18D1

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304737776

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 765'FNL, 311'FWL LOT 1

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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 10S 22E

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	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
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Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SET SURFACE CSG
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU BILL MARTIN AIR RIG ON 08/02/2006 AT 1200 HRS. DRILLED 12 1/4" SURFACE HOLE TO 1950'. RAN 9 5/8" 32.3# H-40 SURFACE CSG. LEAD CMT W/250 SX PREM CLASS G @15.8 PPG 1.15 YIELD NO RETURNS TO PIT. TOP OUT W/100 SX CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE NO CMT TO SURFACE. 2ND TOP OUT W/270 SX CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE NO CMT TO SURFACE AND FELL BACK. 3RD TOP OUT W/200 SX CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE NO CMT TO SURFACE AND FELL BACK. 4TH TOP OUT W/80 SX CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE NO CMT TO SURFACE. 5TH TOP OUT W/125 SX CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE CMT TO SURFACE HOLE STAYED FULL.

WORT

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE _____ DATE 8/7/2006

(This space for State use only)

AUG 2 1 2006

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

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9. API NUMBER: 4304737776

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PHONE NUMBER: (435) 781-7024

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Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: DIRECTIONAL DRILL
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR PROPOSES TO CHANGE THE ORIGINAL APPROVED DRILLING PLAN TO DIRECTIONAL DRILL AND ALSO CHANGE THE NAME FROM NBU 1022-18D TO NBU 1022-18D1. TO BE DRILLED OFF THE EXISTING WELL PAD.

THE OPERATOR WILL BUILD, HOLD AND PRODUCE FROM THE WASATCH AND MESAVERDE FORMATION. THE BOTTOM HOLW LOCATION OF THE WELL WILL BE AS FOLLOWS: SWNWNW SECTION 7, T10S, R22E; THE FOOTAGES ARE AS FOLLOWS: 790.3'FSL, 786'FWL.

PLEASE REFER TO THE ATTACHED DIRECTIONAL DRILL SURVEY.

629253X 39.958313
4424017Y -109.486772

COPY SENT TO OPERATOR
Date: 10-4-06
Initials: CHD

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 7/17/2006

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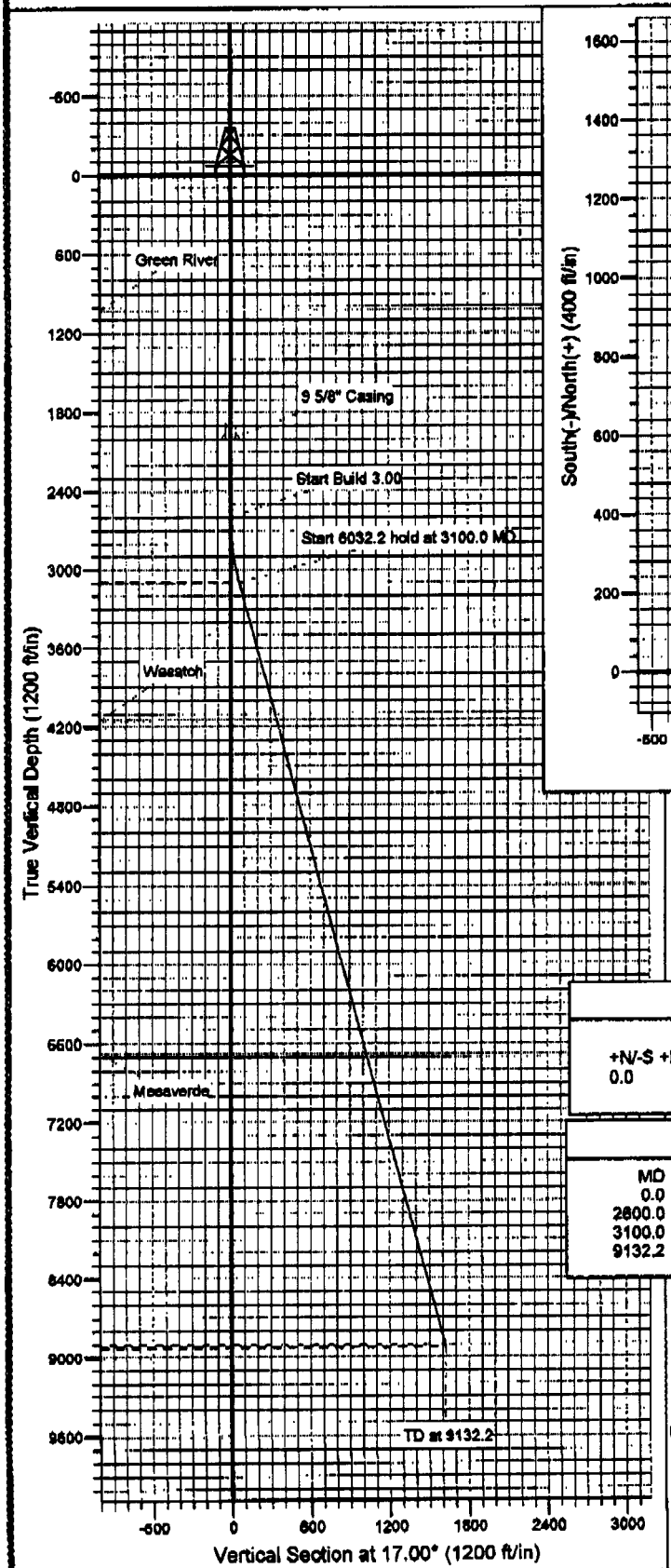
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10/3/06
(See Instructions on Reverse Side)

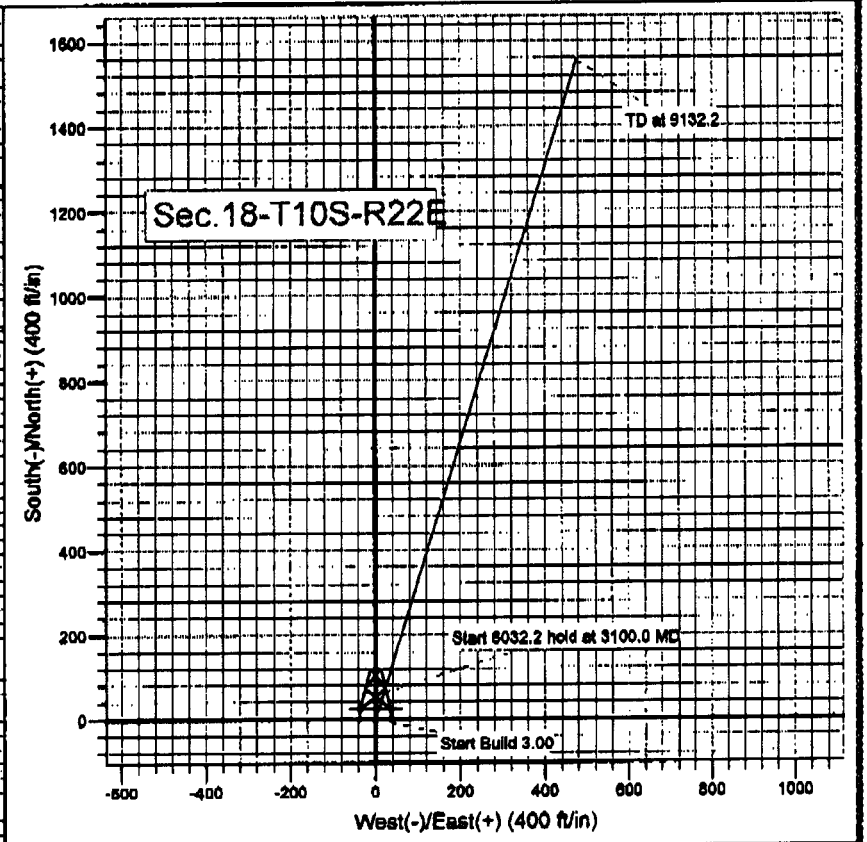
(5/2000)

RECEIVED
SEP 26 2006
DIV. OF OIL, GAS & MINING

Company: Kerr McGee Oil & Gas
Project: Uintah Co., UT
Site: Sec.18-T10S-R22E-NWNW
Well: NBU 1022-18D
Wellbore: Wellbore #1
Plan: Plan #1 (NBU 1022-18D/Wellbore #1)

PATHFINDER ENERGY SERVICES





CASING DETAILS

TVD	MD	Name	Size
2000.0	2000.0	9 5/8" Casing	9-5/8

T M

Azimuths to True North
Magnetic North: 11.69°
Magnetic Field
Strength: 52819.6nT
Dip Angle: 65.98°
Date: 6/13/2006
Model: IGRF200510

WELL DETAILS: NBU 1022-18D

Ground Level: 5046.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	14513577.07	2063795.13	39° 57' 14.490 N	109° 29' 21.311 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2600.0	0.00	0.00	2600.0	0.0	0.0	0.00	0.00	0.0	
3100.0	15.00	17.00	3094.3	62.2	19.0	3.00	17.00	65.1	
9132.2	15.00	17.00	8921.0	1555.3	475.5	0.00	0.00	1626.3	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1025.0	1025.0	Green River
4150.0	4192.9	Wasatch
6875.0	6807.0	Mesaverde

ANNOTATIONS

TVD	MD	Annotation
2600.0	2600.0	Start Build 3.00
3094.3	3100.0	Start 6032.2 hold at 3100.0 MD
8921.0	9132.2	TD at 9132.2

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Kerr McGee Oil & Gas

Uintah Co., UT
Sec.18-T10S-R22E-NWNW
NBU 1022-18D
Wellbore #1

Plan: Plan #1

Pathfinder Planning Report

13 June, 2006

RECEIVED
SEP 2 6 2006
DIV. OF OIL, GAS & MINING

Pathfinder Energy Services

Planning Report

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well NBU 1022-18D
Company:	Kerr McGee Oil & Gas	TVD Reference:	WELL @ 5046.0ft (Original Well Elev)
Project:	Uintah Co., UT	MD Reference:	WELL @ 5046.0ft (Original Well Elev)
Site:	Sec.18-T10S-R22E-NWNW	North Reference:	True
Well:	NBU 1022-18D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Uintah Co., UT		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Utah - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Sec.18-T10S-R22E-NWNW				
Site Position:		Northing:	14,513,577.07 ft	Latitude:	39° 57' 14.490 N
From:	Lat/Long	Easting:	2,063,795.11 ft	Longitude:	109° 29' 21.311 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.97 °

Well	NBU 1022-18D					
Well Position	+N/-S	0.0 ft	Northing:	14,513,577.07 ft	Latitude:	39° 57' 14.490 N
	+E/-W	0.0 ft	Easting:	2,063,795.11 ft	Longitude:	109° 29' 21.311 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,046.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	6/13/2006	11.70	65.96	52,820

Design	Plan #1				
Audit Notes:					
Version:		Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	17.00	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,100.0	15.00	17.00	3,094.3	62.2	19.0	3.00	3.00	0.00	17.00	
9,132.2	15.00	17.00	8,921.0	1,566.3	476.5	0.00	0.00	0.00	0.00	

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DIV. OF OIL, GAS & MINING

Pathfinder Energy Services

Planning Report

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Well:	NBU 1022-18D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Green River									
1,025.0	0.00	0.00	1,025.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8" Casing									
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 3.00									
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	3.00	17.00	2,700.0	2.5	0.8	2.6	3.00	3.00	0.00
2,800.0	6.00	17.00	2,799.6	10.0	3.1	10.5	3.00	3.00	0.00
2,900.0	9.00	17.00	2,898.8	22.5	6.9	23.5	3.00	3.00	0.00
3,000.0	12.00	17.00	2,997.1	39.9	12.2	41.7	3.00	3.00	0.00
Start 6032.2 hold at 3100.0 MD									
3,100.0	15.00	17.00	3,094.3	62.2	19.0	65.1	3.00	3.00	0.00
3,200.0	15.00	17.00	3,190.9	87.0	26.6	91.0	0.00	0.00	0.00
3,300.0	15.00	17.00	3,287.5	111.7	34.2	116.8	0.00	0.00	0.00
3,400.0	15.00	17.00	3,384.1	136.5	41.7	142.7	0.00	0.00	0.00
3,500.0	15.00	17.00	3,480.7	161.2	49.3	168.5	0.00	0.00	0.00
3,600.0	15.00	17.00	3,577.3	186.0	56.9	194.5	0.00	0.00	0.00
3,700.0	15.00	17.00	3,673.9	210.7	64.4	220.4	0.00	0.00	0.00
3,800.0	15.00	17.00	3,770.5	235.5	72.0	246.3	0.00	0.00	0.00
3,900.0	15.00	17.00	3,867.0	260.2	79.6	272.1	0.00	0.00	0.00
4,000.0	15.00	17.00	3,963.6	285.0	87.1	298.0	0.00	0.00	0.00
4,100.0	15.00	17.00	4,060.2	309.7	94.7	323.9	0.00	0.00	0.00
Wasatch									
4,192.9	15.00	17.00	4,150.0	332.7	101.7	347.9	0.00	0.00	0.00
4,200.0	15.00	17.00	4,156.8	334.5	102.3	349.8	0.00	0.00	0.00
4,300.0	15.00	17.00	4,253.4	359.2	109.8	375.7	0.00	0.00	0.00
4,400.0	15.00	17.00	4,350.0	384.0	117.4	401.5	0.00	0.00	0.00
4,500.0	15.00	17.00	4,446.6	408.7	125.0	427.4	0.00	0.00	0.00

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DIV. OF OIL, GAS & MINING

Pathfinder Energy Services

Planning Report

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Project:	Uintah Co., UT	MD Reference:	WELL @ 5046.0ft (Original Well Elev)
Site:	Sec.18-T10S-R22E-NWNW	North Reference:	True
Well:	NBU 1022-18D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.0	15.00	17.00	4,543.2	433.5	132.5	453.3	0.00	0.00	0.00
4,700.0	15.00	17.00	4,639.8	458.2	140.1	479.2	0.00	0.00	0.00
4,800.0	15.00	17.00	4,736.4	483.0	147.7	505.1	0.00	0.00	0.00
4,900.0	15.00	17.00	4,833.0	507.8	155.2	531.0	0.00	0.00	0.00
5,000.0	15.00	17.00	4,929.6	532.5	162.8	556.8	0.00	0.00	0.00
5,100.0	15.00	17.00	5,026.2	557.3	170.4	582.7	0.00	0.00	0.00
5,200.0	15.00	17.00	5,122.8	582.0	177.9	608.6	0.00	0.00	0.00
5,300.0	15.00	17.00	5,219.3	606.8	185.5	634.5	0.00	0.00	0.00
5,400.0	15.00	17.00	5,315.9	631.5	193.1	660.4	0.00	0.00	0.00
5,500.0	15.00	17.00	5,412.5	656.3	200.6	686.2	0.00	0.00	0.00
5,600.0	15.00	17.00	5,509.1	681.0	208.2	712.1	0.00	0.00	0.00
5,700.0	15.00	17.00	5,605.7	705.8	215.8	738.0	0.00	0.00	0.00
5,800.0	15.00	17.00	5,702.3	730.5	223.3	763.8	0.00	0.00	0.00
5,900.0	15.00	17.00	5,798.9	755.3	230.9	789.8	0.00	0.00	0.00
6,000.0	15.00	17.00	5,895.5	780.0	238.5	815.7	0.00	0.00	0.00
6,100.0	15.00	17.00	5,992.1	804.8	246.0	841.5	0.00	0.00	0.00
6,200.0	15.00	17.00	6,088.7	829.5	253.6	867.4	0.00	0.00	0.00
6,300.0	15.00	17.00	6,185.3	854.3	261.2	893.3	0.00	0.00	0.00
6,400.0	15.00	17.00	6,281.9	879.0	268.7	919.2	0.00	0.00	0.00
6,500.0	15.00	17.00	6,378.5	903.8	276.3	945.1	0.00	0.00	0.00
6,600.0	15.00	17.00	6,475.0	928.5	283.9	970.9	0.00	0.00	0.00
6,700.0	15.00	17.00	6,571.6	953.3	291.4	996.8	0.00	0.00	0.00
6,800.0	15.00	17.00	6,668.2	978.0	299.0	1,022.7	0.00	0.00	0.00
Mesaverde									
6,807.0	15.00	17.00	6,675.0	979.8	299.5	1,024.5	0.00	0.00	0.00
6,900.0	15.00	17.00	6,764.8	1,002.8	306.6	1,048.6	0.00	0.00	0.00
7,000.0	15.00	17.00	6,861.4	1,027.5	314.1	1,074.5	0.00	0.00	0.00
7,100.0	15.00	17.00	6,958.0	1,052.3	321.7	1,100.4	0.00	0.00	0.00
7,200.0	15.00	17.00	7,054.6	1,077.0	329.3	1,126.2	0.00	0.00	0.00
7,300.0	15.00	17.00	7,151.2	1,101.8	336.8	1,152.1	0.00	0.00	0.00
7,400.0	15.00	17.00	7,247.8	1,126.5	344.4	1,178.0	0.00	0.00	0.00
7,500.0	15.00	17.00	7,344.4	1,151.3	352.0	1,203.9	0.00	0.00	0.00
7,600.0	15.00	17.00	7,441.0	1,176.0	359.5	1,229.8	0.00	0.00	0.00
7,700.0	15.00	17.00	7,537.6	1,200.8	367.1	1,255.6	0.00	0.00	0.00
7,800.0	15.00	17.00	7,634.2	1,225.5	374.7	1,281.5	0.00	0.00	0.00
7,900.0	15.00	17.00	7,730.8	1,250.3	382.2	1,307.4	0.00	0.00	0.00
8,000.0	15.00	17.00	7,827.3	1,275.0	389.8	1,333.3	0.00	0.00	0.00
8,100.0	15.00	17.00	7,923.9	1,299.8	397.4	1,359.2	0.00	0.00	0.00
8,200.0	15.00	17.00	8,020.5	1,324.5	405.0	1,385.1	0.00	0.00	0.00
8,300.0	15.00	17.00	8,117.1	1,349.3	412.5	1,410.9	0.00	0.00	0.00
8,400.0	15.00	17.00	8,213.7	1,374.0	420.1	1,436.8	0.00	0.00	0.00
8,500.0	15.00	17.00	8,310.3	1,398.8	427.7	1,462.7	0.00	0.00	0.00
8,600.0	15.00	17.00	8,406.9	1,423.5	435.2	1,488.6	0.00	0.00	0.00
8,700.0	15.00	17.00	8,503.5	1,448.3	442.8	1,514.5	0.00	0.00	0.00
8,800.0	15.00	17.00	8,600.1	1,473.0	450.4	1,540.3	0.00	0.00	0.00
8,900.0	15.00	17.00	8,696.7	1,497.8	457.9	1,566.2	0.00	0.00	0.00
9,000.0	15.00	17.00	8,793.3	1,522.5	465.5	1,592.1	0.00	0.00	0.00
9,100.0	15.00	17.00	8,889.9	1,547.3	473.1	1,618.0	0.00	0.00	0.00
TD at 9132.2									
9,132.2	15.00	17.00	8,921.0	1,555.3	475.5	1,626.3	0.00	0.00	0.00

RECEIVED
SEP 2 6 2006
DIV. OF OIL, GAS & MINING

Pathfinder Energy Services

Planning Report

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well NBU 1022-18D
Company:	Kerr McGee Oil & Gas	TVD Reference:	WELL @ 5046.0ft (Original Well Elev)
Project:	Uintah Co., UT	MD Reference:	WELL @ 5046.0ft (Original Well Elev)
Site:	Sec.18-T10S-R22E-NWNW	North Reference:	True
Well:	NBU 1022-18D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,000.0	2,000.0	9 5/8" Casing	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,025.0	1,025.0	Green River		0.00	
4,192.9	4,150.0	Wasatch		0.00	
6,907.0	6,675.0	Mesaverde		0.00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
2,600.0	2,600.0	0.0	0.0	Start Build 3.00
3,100.0	3,094.3	62.2	19.0	Start 6032.2 hold at 3100.0 MD
9,132.2	8,921.0	1,555.3	475.5	TD at 9132.2

RECEIVED
SEP 2 6 2006
DIV. OF OIL, GAS & MINING

2006-09 Kerr McGee NBU 1022-18D1

Casing Schematic

BHP
(0.052)(8921)(11.5) = 5335 psi
Anticipate 5518

Gas (0.12)(8921) = 1071
5335
-1071
4264 psi MASP

BOPE 5M

Surf csg. 2270
70% 1589

Max @ csg shoe
8921
-2000
(6921)(.22) = 1523 psi
5335
-1523
3812 psi

Test to 1589 psi

⇒ stip surface cmt.

Toc @ surface w/68 washout

1250' Green River

* Surf-Stip
Propose Wasatch/Mesaverde
~~* Commingle~~

O.K. NBU well
CAUSE # 173-14

3330' TOC tail

4425' Wasatch

5000' BMSW

6850' Mesaverde

Well name:	**2006-09 Kerr McGee NBU 1022-18D1**
Operator:	**Kerr McGee Oil & Gas Onshore LP**
String type:	Surface
Project ID:	43-047-37776
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,000 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,753 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 103 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 1,507 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 8,921 ft
Next mud weight: 11.500 ppg
Next setting BHP: 5,329 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure: 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	9.625	32.30	H-40	ST&C	2000	2000	8.876	883.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	2000	2270	1.13	57	254	4.48 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: September 26,2006
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2006-09 Kerr McGee NBU 1022-18D1**
Operator:	**Kerr McGee Oil & Gas Onshore LP**
String type:	Production
Project ID:	43-047-37776
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 11.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,367 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,329 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,544 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 200 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Directional well information:
Kick-off point 2600 ft
Departure at shoe: 1626 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 15 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9132	4.5	11.60	I-80	LT&C	8921	9132	3.875	796.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5329	6360	1.193 ✓	5329	7780	1.46 ✓	86	212	2.47 J ✓

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: September 26,2006
Salt Lake City, Utah

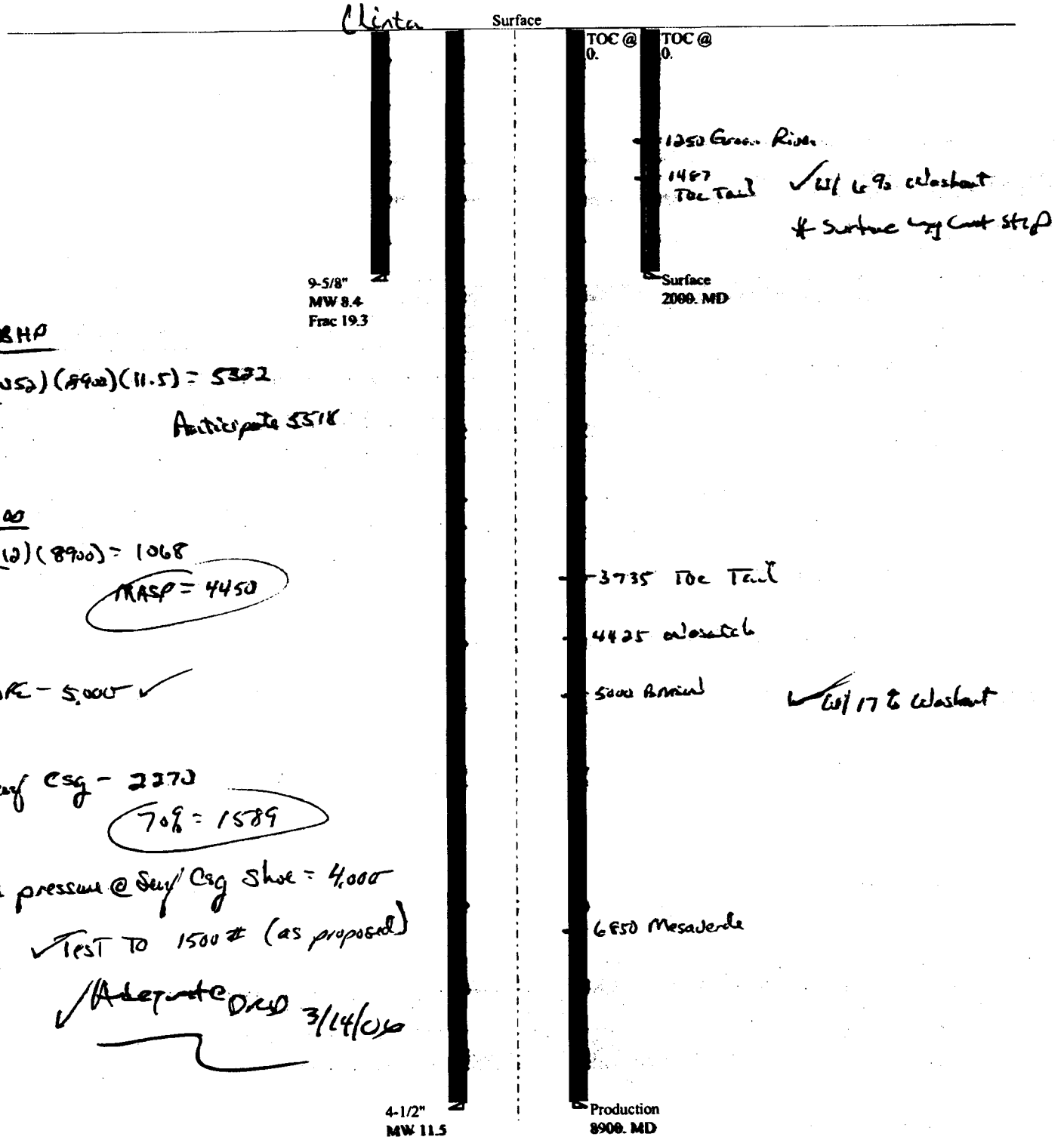
Remarks:
Collapse is based on a vertical depth of 8921 ft, a mud weight of 11.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

03-06 Westport NBU 1022- 3D

Casing Schematic



✓ w/ 6% calc est

Surface Csg Cmt Strip

BHP

(.052)(8900)(11.5) = 5322

Anticipate 5518

Gas

(.12)(8900) = 1068

MASP = 4450

BOPE - 5,000 ✓

✓ w/ 17 & calc est

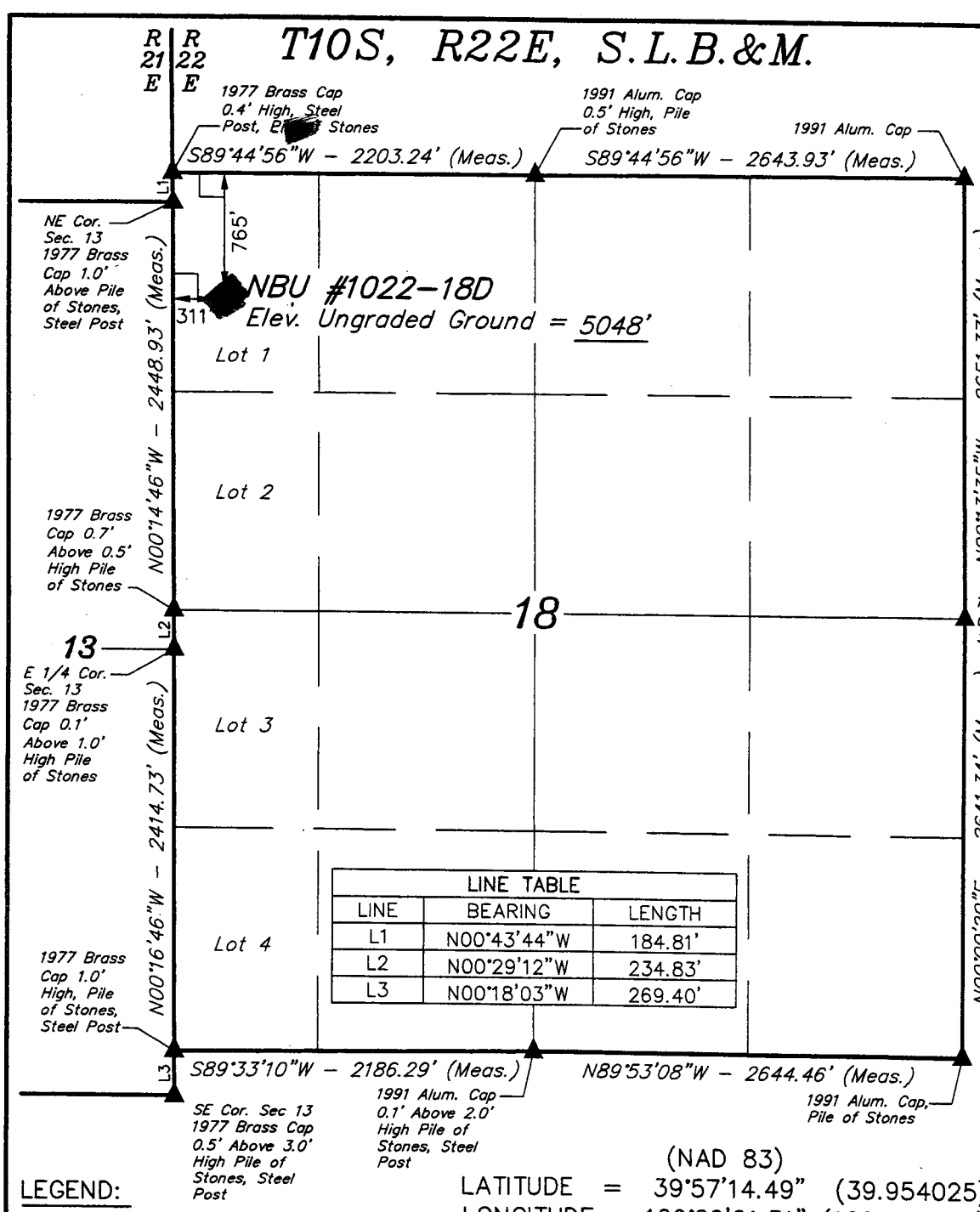
Surf Csg - 2270

70% = 1589

Max pressure @ Surf Csg Shoe = 4,000

✓ Test to 1500 # (as proposed)

✓ Adequate DKD 3/14/05



LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°43'44"W	184.81'
L2	N00°29'12"W	234.83'
L3	N00°18'03"W	269.40'

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39°57'14.49" (39.954025)

LONGITUDE = 109°29'21.31" (109.489253)

(NAD 27)

LATITUDE = 39°57'14.61" (39.954058)

LONGITUDE = 109°29'18.84" (109.488567)

Kerr-McGee Oil & Gas Onsho

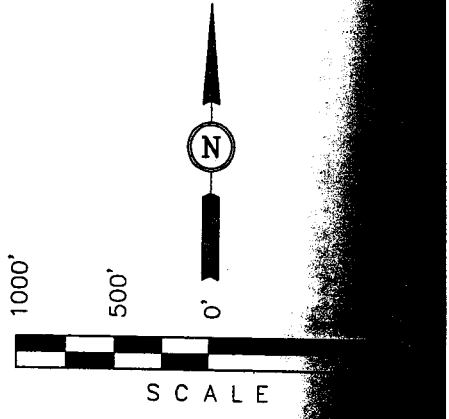
Well location, NBU #1022-18D, located
in the NW 1/4 NW 1/4 (Lot 1) of Sectio
T10S, R22E, S.L.B.&M. Uintah County, U

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN
OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FRO
PACK MTN NE, QUADRANGLE, UTAH, UINTAH CO
MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED
UNITED STATES DEPARTMENT OF THE INTERIOR,
SURVEY. SAID ELEVATION IS MARKED AS BEIN

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSE



CERTIFICATE

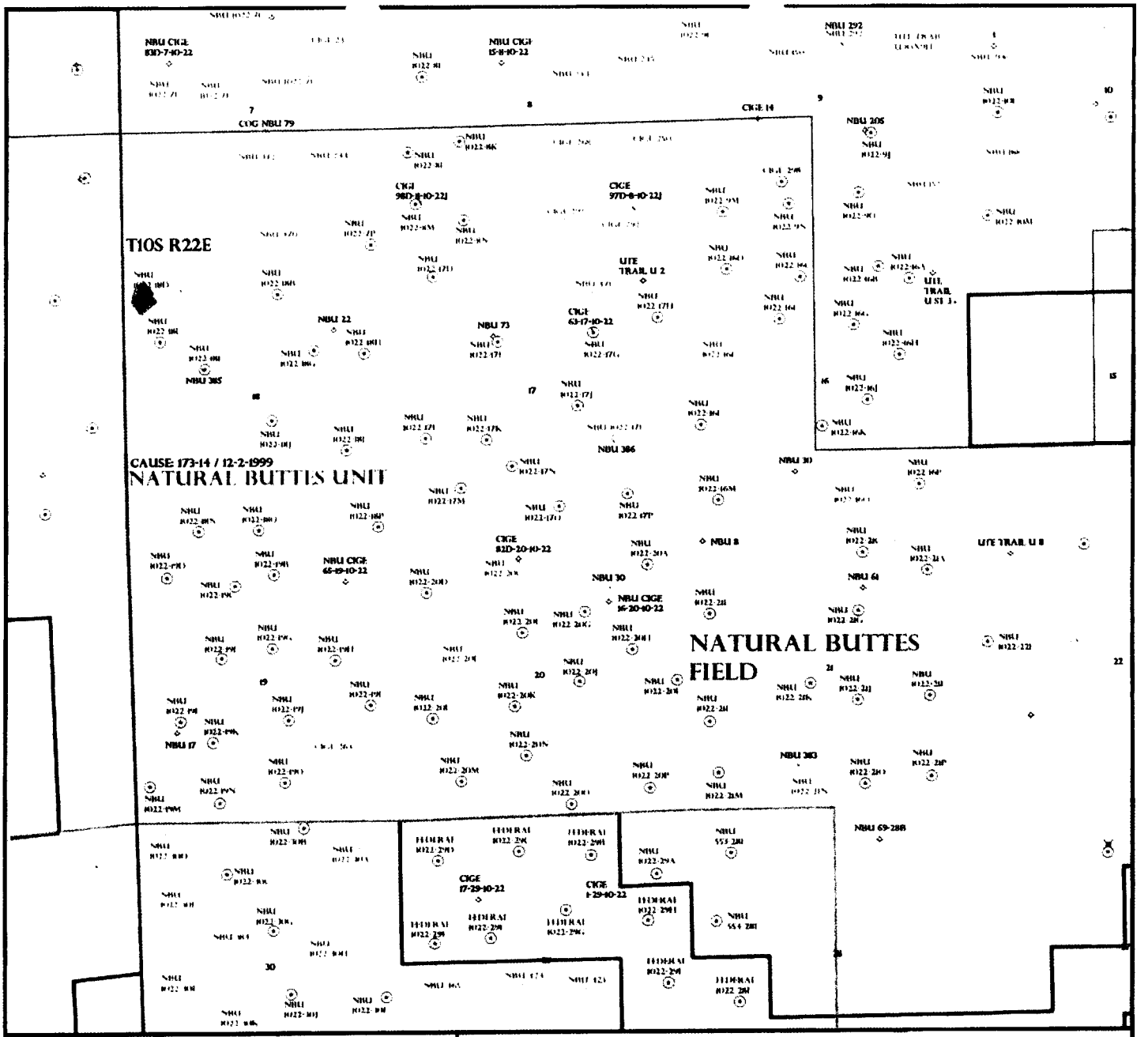
THIS IS TO CERTIFY THAT THE ABOVE PLAT
FIELD NOTES OF ACTUAL SURVEYS MADE BY
SUPERVISION AND THAT THE SAME ARE TRU
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED L
REGISTRATION
STATE OF

REVISED: 01-15-06

UINTAH ENGINEERING & L
85 SOUTH 200 EAST - VER
(435) 789-101

SCALE 1" = 1000'	DATE SU 11-2
PARTY T.A. J.H. P.M.	REFEREN G.
WEATHER COLD	FILE



OPERATOR: WESTPORT O&G CO (N2115)

SEC: 16,18,19 T. 10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA WHITNEY

DATE: 16-FEBRUARY-2006

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22973

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 1022-18D1

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304737776

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 765'FNL, 311'FWL LOT 1

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 10S 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1950' TO 8595' ON 09/17/2006. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/330 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1341 SX 50/50 POZ @14.3 PPG 1.31 YIELD. BUMP PLUG. FLOATS HELD, FLUSH BOP NIPPLE DOWN SET 4 1/2" CSG SLIPS 9OK CUT OFF CSG. CLEAN PITS.

RELEASED PIONEER RIG 38 ON 09/19/2006 AT 1400 HRS.

RECEIVED
OCT 11 2006

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 9/20/2006

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22973

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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 10S 22E

STATE: UTAH

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	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: DIRECTIONAL SURVEY REPORT
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED AN DIRECTIONAL SURVEY FOR THE SUBJECT WELL LOCATION. ATTACHED IS THE DIRECTIONAL SURVERY REPORT WHICH INCLUDES THE FOLLOWING: WINSERVE PROPOSAL REPORT AND WINSERVE SURVEY CALCULATIONS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 10/10/2006

(This space for State use only)

RECEIVED
OCT 2 0 2006
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

MULTI-SHOT
Directional Services

Job Number: 063217509280
Company: Kerr McGee
Lease/Well: NBU 10-22-18D
Location: Uintah County, Utah
Rig Name: PLS Wireline
RKB:
G.L. or M.S.L.:

State/Country: Utah/USA
Declination: 11.50°
Grid: East To Grid
File name: F:\SURVEY\2006SU~1\KERR-M~1\NBU2218D.SVY
Date/Time: 03-Oct-06 / 10:17
Curve Name: Surface - 8,477' M.D.

We hereby certify that our survey data from Surface MD to 8,477' MD is, to the best of our knowledge a true and accurate account of the well bore.

Multi-Shot — Date 10/26/06

WINSERVE PROPOSAL REPORT
Minimum Curvature Method
Vertical Section Plane .00
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.11	357.72	100.00	.10	.00	.10	.10	357.73	.11
200.00	.16	12.27	200.00	.33	.02	.33	.33	3.84	.06
300.00	.19	48.77	300.00	.57	.18	.57	.60	17.08	.11
400.00	.16	60.18	400.00	.75	.42	.75	.86	29.29	.05
500.00	.45	43.36	500.00	1.11	.81	1.11	1.37	36.28	.30
600.00	.38	21.42	599.99	1.70	1.20	1.70	2.08	35.27	.17
700.00	.04	59.47	699.99	2.03	1.35	2.03	2.44	33.74	.35
800.00	.19	99.74	799.99	2.02	1.55	2.02	2.54	37.50	.16
900.00	.26	35.62	899.99	2.17	1.84	2.17	2.85	40.30	.25
1000.00	.29	47.03	999.99	2.53	2.16	2.53	3.33	40.49	.06

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
1100.00	.04	85.31	1099.99	2.71	2.38	2.71	3.61	41.34	.26
1200.00	.54	78.31	1199.99	2.81	2.88	2.81	4.02	45.73	.50
1300.00	.25	211.98	1299.99	2.72	3.22	2.72	4.21	49.89	.74
1400.00	.30	182.63	1399.99	2.27	3.10	2.27	3.84	53.76	.15
1500.00	.86	172.12	1499.98	1.26	3.19	1.26	3.43	68.37	.57
1600.00	1.09	171.50	1599.97	-.42	3.43	-.42	3.46	96.98	.23
1700.00	1.08	170.46	1699.95	-2.29	3.73	-2.29	4.37	121.57	.02
1800.00	1.10	167.91	1799.93	-4.16	4.08	-4.16	5.83	135.51	.05
1900.00	1.25	173.08	1899.91	-6.18	4.42	-6.18	7.60	144.45	.18
2000.00	1.73	159.32	1999.88	-8.67	5.08	-8.67	10.05	149.64	.60
2100.00	2.14	148.14	2099.82	-11.67	6.60	-11.67	13.41	150.52	.56
2200.00	1.38	119.85	2199.77	-13.86	8.63	-13.86	16.33	148.09	1.13
2300.00	.78	100.49	2299.76	-14.58	10.34	-14.58	17.88	144.65	.69
2400.00	.26	23.80	2399.75	-14.50	11.10	-14.50	18.26	142.55	.76
2500.00	.11	58.62	2499.75	-14.24	11.28	-14.24	18.16	141.62	.18
2600.00	2.54	22.38	2599.72	-12.14	12.20	-12.14	17.21	134.85	2.45
2700.00	5.09	23.36	2699.49	-6.02	14.81	-6.02	15.98	112.12	2.55
2800.00	9.12	23.78	2798.70	5.31	19.76	5.31	20.46	74.96	4.03
2900.00	10.68	23.44	2897.21	21.07	26.65	21.07	33.97	51.67	1.56
3000.00	12.58	18.20	2995.15	39.91	33.73	39.91	52.26	40.20	2.17
3100.00	14.57	17.48	3092.35	62.26	40.91	62.26	74.50	33.31	2.00
3200.00	15.55	16.19	3188.92	87.13	48.43	87.13	99.68	29.07	1.04
3300.00	15.97	16.14	3285.16	113.22	55.99	113.22	126.31	26.31	.42
3400.00	15.48	15.25	3381.42	139.31	63.33	139.31	153.02	24.45	.55
3500.00	14.07	14.27	3478.11	163.96	69.83	163.96	178.22	23.07	1.43
3600.00	13.84	20.80	3575.16	186.93	77.08	186.93	202.19	22.41	1.59
3700.00	15.37	25.80	3671.93	210.04	87.09	210.04	227.38	22.52	1.98
3800.00	17.68	25.80	3767.79	235.65	99.47	235.65	255.78	22.89	2.31
3900.00	18.32	18.47	3862.91	264.23	111.06	264.23	286.62	22.80	2.35
4000.00	17.03	15.97	3958.19	293.22	120.07	293.22	316.85	22.27	1.50
4100.00	17.12	15.09	4053.78	321.51	127.93	321.51	346.02	21.70	.27
4200.00	14.81	11.42	4149.92	348.25	134.29	348.25	373.25	21.09	2.52

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
4300.00	13.77	9.42	4246.83	372.52	138.77	372.52	397.53	20.43	1.15
4400.00	13.52	10.70	4344.01	395.75	142.89	395.75	420.75	19.85	.39
4500.00	14.69	13.39	4440.99	419.57	148.00	419.57	444.90	19.43	1.34
4600.00	16.00	15.65	4537.42	445.17	154.65	445.17	471.27	19.16	1.44
4700.00	17.45	15.91	4633.19	472.87	162.48	472.87	500.00	18.96	1.45
4800.00	18.21	15.47	4728.39	502.35	170.76	502.35	530.57	18.77	.77
4900.00	18.26	14.20	4823.37	532.59	178.77	532.59	561.79	18.55	.40
5000.00	17.58	13.40	4918.51	562.47	186.11	562.47	592.46	18.31	.72
5100.00	17.04	12.96	5013.98	591.44	192.90	591.44	622.10	18.06	.56
5200.00	16.03	16.23	5109.85	618.98	200.04	618.98	650.50	17.91	1.37
5300.00	15.55	12.52	5206.08	645.32	206.81	645.32	677.65	17.77	1.12
5400.00	14.73	12.56	5302.61	670.81	212.48	670.81	703.66	17.58	.82
5500.00	14.47	13.83	5399.38	695.36	218.23	695.36	728.80	17.42	.41
5600.00	14.38	14.20	5496.23	719.52	224.26	719.52	753.66	17.31	.13
5700.00	17.88	15.02	5592.27	746.40	231.29	746.40	781.41	17.22	3.51
5800.00	17.30	14.45	5687.60	775.62	238.98	775.62	811.60	17.12	.61
5900.00	16.84	15.96	5783.19	803.95	246.67	803.95	840.94	17.06	.64
6000.00	16.95	18.25	5878.88	831.72	255.22	831.72	870.00	17.06	.67
6100.00	17.63	16.85	5974.36	860.06	264.17	860.06	899.71	17.07	.80
6200.00	17.13	16.11	6069.79	888.70	272.65	888.70	929.58	17.06	.55
6300.00	16.39	16.83	6165.54	916.35	280.82	916.35	958.42	17.04	.77
6400.00	17.80	19.13	6261.13	944.30	289.92	944.30	987.80	17.07	1.56
6500.00	17.92	18.93	6356.31	973.29	299.92	973.29	1018.45	17.13	.13
6600.00	16.64	18.48	6451.79	1001.43	309.44	1001.43	1048.15	17.17	1.29
6700.00	17.36	18.22	6547.42	1029.18	318.65	1029.18	1077.38	17.20	.72
6800.00	17.00	17.69	6642.96	1057.27	327.75	1057.27	1106.91	17.22	.39
6900.00	16.66	18.03	6738.68	1084.83	336.63	1084.83	1135.86	17.24	.35
7000.00	17.42	18.60	6834.28	1112.65	345.84	1112.65	1165.16	17.27	.78
7100.00	16.19	16.91	6930.01	1140.18	354.67	1140.18	1194.07	17.28	1.32
7200.00	16.67	15.02	7025.93	1167.37	362.45	1167.37	1222.34	17.25	.72
7300.00	16.61	16.99	7121.74	1194.89	370.34	1194.89	1250.97	17.22	.57
7400.00	16.12	17.07	7217.69	1221.83	378.59	1221.83	1279.14	17.22	.49

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7500.00	15.52	17.12	7313.90	1247.89	386.61	1247.89	1306.40	17.21	.60
7600.00	15.01	16.90	7410.37	1273.06	394.31	1273.06	1332.73	17.21	.51
7700.00	14.38	16.58	7507.10	1297.36	401.62	1297.36	1358.10	17.20	.64
7800.00	12.38	19.17	7604.38	1319.39	408.68	1319.39	1381.23	17.21	2.09
7900.00	10.58	21.70	7702.38	1338.04	415.60	1338.04	1401.10	17.25	1.87
8000.00	9.29	23.18	7800.88	1353.99	422.17	1353.99	1418.28	17.32	1.31
8100.00	8.16	24.99	7899.72	1367.85	428.34	1367.85	1433.35	17.39	1.16
8200.00	7.04	25.77	7998.84	1379.80	434.01	1379.80	1446.44	17.46	1.12
8300.00	6.40	27.11	8098.15	1390.28	439.21	1390.28	1458.00	17.53	.66
8400.00	5.26	33.56	8197.64	1399.06	444.28	1399.06	1467.91	17.62	1.31
Last Survey Depth Recorded									
8477.00	4.53	36.34	8274.35	1404.45	448.04	1404.45	1474.18	17.69	1.00

MULTI-SHOT
Directional Services

Job Number: 063217509280
Company: Kerr McGee
Lease/Well: NBU 10-22-18D
Location: Uintah County, Utah
Rig Name: PLS Wireline
RKB:
G.L. or M.S.L.:

State/Country: Utah/USA
Declination: 11.50°
Grid: East To Grid
File name: F:\SURVEY\2006SU~1\KERR-M~1\NBU2218D.SVY
Date/Time: 02-Oct-06 / 12:07
Curve Name: Surface - 8,477' M.D.

We hereby certify that our survey data from Surface MD to 8,477' MD is, to the best of our knowledge a true and accurate account of the well bore.

Multi-Shot — Date 10/2/06

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane .00
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.11	357.72	100.00	.10	.00	.10	.10	357.73	.11
200.00	.16	12.27	200.00	.33	.02	.33	.33	3.84	.06
300.00	.19	48.77	300.00	.57	.18	.57	.60	17.08	.11
400.00	.16	60.18	400.00	.75	.42	.75	.86	29.29	.05
500.00	.45	43.36	500.00	1.11	.81	1.11	1.37	36.28	.30
600.00	.38	21.42	599.99	1.70	1.20	1.70	2.08	35.27	.17
700.00	.04	59.47	699.99	2.03	1.35	2.03	2.44	33.74	.35
800.00	.19	99.74	799.99	2.02	1.55	2.02	2.54	37.50	.16
900.00	.26	35.62	899.99	2.17	1.84	2.17	2.85	40.30	.25
1000.00	.29	47.03	999.99	2.53	2.16	2.53	3.33	40.49	.06

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
1100.00	.04	85.31	1099.99	2.71	2.38	2.71	3.61	41.34	.26
1200.00	.54	78.31	1199.99	2.81	2.68	2.81	4.02	45.73	.50
1300.00	.25	211.98	1299.99	2.72	3.22	2.72	4.21	49.89	.74
1400.00	.30	182.63	1399.99	2.27	3.10	2.27	3.84	53.76	.15
1500.00	.86	172.12	1499.98	1.26	3.19	1.26	3.43	68.37	.57
1600.00	1.09	171.50	1599.97	-.42	3.43	-.42	3.46	96.98	.23
1700.00	1.08	170.46	1699.95	-2.29	3.73	-2.29	4.37	121.57	.02
1800.00	1.10	167.91	1799.93	-4.16	4.08	-4.16	5.83	135.51	.05
1900.00	1.25	173.08	1899.91	-6.18	4.42	-6.18	7.60	144.45	.18
2000.00	1.73	159.32	1999.88	-8.67	5.08	-8.67	10.05	149.64	.60
2100.00	2.14	148.14	2099.82	-11.67	6.60	-11.67	13.41	150.52	.56
2200.00	1.38	119.85	2199.77	-13.86	8.63	-13.86	16.33	148.09	1.13
2300.00	.78	100.49	2299.76	-14.58	10.34	-14.58	17.88	144.65	.69
2400.00	.26	23.80	2399.75	-14.50	11.10	-14.50	18.26	142.55	.76
2500.00	.11	58.62	2499.75	-14.24	11.28	-14.24	18.16	141.62	.18
2600.00	2.54	22.38	2599.72	-12.14	12.20	-12.14	17.21	134.85	2.45
2700.00	5.09	23.36	2699.49	-6.02	14.81	-6.02	15.98	112.12	2.55
2800.00	9.12	23.78	2798.70	5.31	19.76	5.31	20.46	74.96	4.03
2900.00	10.68	23.44	2897.21	21.07	26.65	21.07	33.97	51.67	1.56
3000.00	12.58	18.20	2995.15	39.91	33.73	39.91	52.26	40.20	2.17
3100.00	14.57	17.48	3092.35	62.26	40.91	62.26	74.50	33.31	2.00
3200.00	15.55	16.19	3188.92	87.13	48.43	87.13	99.68	29.07	1.04
3300.00	15.97	16.14	3285.16	113.22	55.99	113.22	126.31	26.31	.42
3400.00	15.48	15.25	3381.42	139.31	63.33	139.31	153.02	24.45	.55
3500.00	14.07	14.27	3478.11	163.96	69.83	163.96	178.22	23.07	1.43
3600.00	13.84	20.80	3575.16	186.93	77.08	186.93	202.19	22.41	1.59
3700.00	15.37	25.80	3671.93	210.04	87.09	210.04	227.38	22.52	1.98
3800.00	17.68	25.80	3767.79	235.65	99.47	235.65	255.78	22.89	2.31
3900.00	18.32	18.47	3862.91	264.23	111.06	264.23	286.62	22.80	2.35
4000.00	17.03	15.97	3958.19	293.22	120.07	293.22	316.85	22.27	1.50
4100.00	17.12	15.09	4053.78	321.51	127.93	321.51	346.02	21.70	.27
4200.00	14.81	11.42	4149.92	348.25	134.29	348.25	373.25	21.09	2.52

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
4300.00	13.77	9.42	4246.83	372.52	138.77	372.52	397.53	20.43	1.15
4400.00	13.52	10.70	4344.01	395.75	142.89	395.75	420.75	19.85	.39
4500.00	14.69	13.39	4440.99	419.57	148.00	419.57	444.90	19.43	1.34
4600.00	16.00	15.65	4537.42	445.17	154.65	445.17	471.27	19.16	1.44
4700.00	17.45	15.91	4633.19	472.87	162.48	472.87	500.00	18.96	1.45
4800.00	18.21	15.47	4728.39	502.35	170.76	502.35	530.57	18.77	.77
4900.00	18.26	14.20	4823.37	532.59	178.77	532.59	561.79	18.55	.40
5000.00	17.58	13.40	4918.51	562.47	186.11	562.47	592.46	18.31	.72
5100.00	17.04	12.96	5013.98	591.44	192.90	591.44	622.10	18.06	.56
5200.00	16.03	16.23	5109.85	618.98	200.04	618.98	650.50	17.91	1.37
5300.00	15.55	12.52	5206.08	645.32	206.81	645.32	677.65	17.77	1.12
5400.00	14.73	12.56	5302.61	670.81	212.48	670.81	703.66	17.58	.82
5500.00	14.47	13.83	5399.38	695.36	218.23	695.36	728.80	17.42	.41
5600.00	14.38	14.20	5496.23	719.52	224.26	719.52	753.66	17.31	.13
5700.00	17.88	15.02	5592.27	746.40	231.29	746.40	781.41	17.22	3.51
5800.00	17.30	14.45	5687.60	775.62	238.98	775.62	811.60	17.12	.61
5900.00	16.84	15.96	5783.19	803.95	246.67	803.95	840.94	17.06	.64
6000.00	16.95	18.25	5878.88	831.72	255.22	831.72	870.00	17.06	.67
6100.00	17.63	16.85	5974.36	860.06	264.17	860.06	899.71	17.07	.80
6200.00	17.13	16.11	6069.79	888.70	272.65	888.70	929.58	17.06	.55
6300.00	16.39	16.83	6165.54	916.35	280.82	916.35	958.42	17.04	.77
6400.00	17.80	19.13	6261.13	944.30	289.92	944.30	987.80	17.07	1.56
6500.00	17.92	18.93	6356.31	973.29	299.92	973.29	1018.45	17.13	.13
6600.00	16.64	18.48	6451.79	1001.43	309.44	1001.43	1048.15	17.17	1.29
6700.00	17.36	18.22	6547.42	1029.18	318.65	1029.18	1077.38	17.20	.72
6800.00	17.00	17.69	6642.96	1057.27	327.75	1057.27	1106.91	17.22	.39
6900.00	16.66	18.03	6738.68	1084.83	336.63	1084.83	1135.86	17.24	.35
7000.00	17.42	18.60	6834.28	1112.65	345.84	1112.65	1165.16	17.27	.78
7100.00	16.19	16.91	6930.01	1140.18	354.67	1140.18	1194.07	17.28	1.32
7200.00	16.67	15.02	7025.93	1167.37	362.45	1167.37	1222.34	17.25	.72
7300.00	16.61	16.99	7121.74	1194.89	370.34	1194.89	1250.97	17.22	.57
7400.00	16.12	17.07	7217.69	1221.83	378.59	1221.83	1279.14	17.22	.49

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7500.00	15.52	17.12	7313.90	1247.89	386.61	1247.89	1306.40	17.21	.60
7600.00	15.01	16.90	7410.37	1273.06	394.31	1273.06	1332.73	17.21	.51
7700.00	14.38	16.58	7507.10	1297.36	401.62	1297.36	1358.10	17.20	.64
7800.00	12.38	19.17	7604.38	1319.39	408.68	1319.39	1381.23	17.21	2.09
7900.00	10.58	21.70	7702.38	1338.04	415.60	1338.04	1401.10	17.25	1.87
8000.00	9.29	23.18	7800.88	1353.99	422.17	1353.99	1418.28	17.32	1.31
8100.00	8.16	24.99	7899.72	1367.85	428.34	1367.85	1433.35	17.39	1.16
8200.00	7.04	25.77	7998.84	1379.80	434.01	1379.80	1446.44	17.46	1.12
8300.00	6.40	27.11	8098.15	1390.28	439.21	1390.28	1458.00	17.53	.66
8400.00	5.26	33.56	8197.64	1399.06	444.28	1399.06	1467.91	17.62	1.31
Last Survey Depth Recorded									
8477.00	4.53	36.34	8274.35	1404.45	448.04	1404.45	1474.18	17.69	1.00

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22973

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 1022-18D1

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304737776

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 765'FNL, 311'FWL LOT 1

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 10S 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PRODUCTION START-UP
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/08/2006 AT 10:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 10/12/2006

(This space for State use only)

RECEIVED
NOV 01 2006
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

Anadarko Petroleum Corporation

Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

NBU 1022-18D
NWNW, SEC. 18, T10S, R22E
UINTAH COUNTY, UT
TD: 8595'
PBTD: 8538'
PERFS: 8483-91'
EOT: 7980'

SPUD	Surface Casing	Activity	Status
07/12/06		Building Location, 10% Complete	Pioneer 38
07/13/06		Building Location, 15% Complete	Pioneer 38
07/14/06		Building Location, 25% Complete	Pioneer 38
07/17/06		Building Location, 50% Complete	Pioneer 38
07/18/06		Building Location, 50% Complete	Pioneer 38
07/19/06		Building Location, 65% Complete	Pioneer 38
07/20/06		Building Location, 65% Complete	Pioneer 38
07/21/06		Building Location, 65% Complete	Pioneer 38
07/24/06		Building Location, 75% Complete	Pioneer 38
07/25/06		Building Location, 75% Complete DRLG	Pioneer 38
07/26/06		Building Location, 75% Complete DRLG	Pioneer 38
07/27/06		Building Location, 80% Complete	Pioneer 38
07/28/06		Building Location, 90% Complete	Pioneer 38
07/31/06		Building Location, 90% Complete	Pioneer 38
08/01/06		Location Complete, WOAR	Pioneer 38
08/04/06	7/31/06 8/2/06	Set Conductor Spud Air Rig Spud, DRLG	Pioneer 38
08/08/06	8/2/06	WORT	Pioneer 38

08/17/06

TD: 1950' Csg. 9 5/8"@ 1935' MW: 8.4 SD: 8/XX/06 DSS: 0
Finish rig move. RURT. SDFN.

08/18/06

TD: 1950' Csg. 9 5/8"@ 1935' MW: 8.4 SD: 8/XX/06 DSS: 0
Rig on repair @ report time. Estimated spud on 8/22.

08/21/06

TD: 1950' Csg. 9 5/8"@ 1935' MW: 8.4 SD: 8/XX/06 DSS: 0
Rig on repair @ report time. Estimated spud on 8/23.

08/22/06

TD: 1950' Csg. 9 5/8"@ 1935' MW: 8.4 SD: 8/XX/06 DSS: 0
Rig on repair @ report time. Estimated spud on 8/24.

08/23/06

TD: 1950' Csg. 9 5/8"@ 1935' MW: 8.4 SD: 8/XX/06 DSS: 0
Rig on repair @ report time. Estimated spud on 8/24.

08/24/06

TD: 1950' Csg. 9 5/8"@ 1935' MW: 8.4 SD: 8/XX/06 DSS: 0
Rig on repair @ report time. Estimated spud on 8/25.

08/25/06

TD: 1950' Csg. 9 5/8"@ 1935' MW: 8.4 SD: 8/XX/06 DSS: 0
Finished rig repair. NUBOPE. Testing BOPE @ report time.

08/28/06

TD: 4114' Csg. 9 5/8"@ 1935' MW: 9.2 SD: 8/25/06 DSS: 3
Finished BOP test. PU dir tools, BHA, and DP. Drill cmt and FE. Rotate and slide f/ 1950'-3790'. POOH to fix generator. Change bits and add pendulum. TIH and drill to 4114'. DA @ report time. Survey at 4006'MD/3966'TVD, 16.8 deg incl., and 15.4 az.

08/29/06

TD: 4876' Csg. 9 5/8"@ 1935' MW: 9.2 SD: 8/25/06 DSS: 4
Drill from 4114'-4876'. DA @ report time. Survey at 4768'MD/4699'TVD, 18.5 deg incl., and 16.2 az.

08/30/06

TD: 5675' Csg. 9 5/8"@ 1935' MW: 9.6 SD: 8/25/06 DSS: 5
Directional drill from 4876'-5675'. DA @ report time.

08/31/06

TD: 6244' Csg. 9 5/8"@ 1935' MW: 10.0 SD: 8/25/06 DSS: 6
Directional drill from 5675'-5928'. Short trip to 5000'. Dir drill to 6244'. DA @ report time.

09/01/06

TD: 6436' Csg. 9 5/8"@ 1935' MW: 10.0 SD: 8/25/06 DSS: 7
Directional drill from 6244'-6436'. TFNB, MM and BHA. TIH @ report time.

09/05/06

TD: 7670' Csg. 9 5/8"@ 1935' MW: 10.5 SD: 8/25/06 DSS: 11
Directional drill from 6436'-7659'. TFNB and MM. Drill to 7670'. DA @ report time.

09/06/06

TD: 7681' Csg. 9 5/8"@ 1935' MW: 10.8 SD: 8/25/06 DSS: 12

Directional drill from 7670'-7681'. Increase mud weight to 10.8 ppg. Chain out of hole. Lay down directional tools. PU tri cone bit and reamer and TIH to 3500' @ report time.

09/07/06

TD: 7681' Csg. 9 5/8"@ 1935' MW: 10.8 SD: 8/25/06 DSS: 13
Attempt to rotate @ 3500'. Rotary motor failed. Pull into shoe and trouble shoot motor. W/O replacement motor @ report time.

09/08/06

TD: 7681' Csg. 9 5/8"@ 1935' MW: 10.8 SD: 8/25/06 DSS: 14
Repair rotary motor. Wait on bearings. Rig on repair @ report time.

09/11/06

TD: 7845' Csg. 9 5/8"@ 1935' MW: 10.8 SD: 8/25/06 DSS: 17
Finish repair. TIH to 4500'. CCH and POOH. Lay down reamer. PU PDC bit and mud motor and TIH. Drill from 7681'-7778'. Circulate and let rotary motor cool off. Slide from 7778'-7790'. W/O electrician to check rotary motor. Drill from 7790'-7810'. Circulate and cool down motor. Drill to 7828'. Cool down motor. Drill to 7845' @ report time.

09/12/06

TD: 7952' Csg. 9 5/8"@ 1935' MW: 11.5 SD: 8/25/06 DSS: 18
Cool down rotary motor. Pump slug and chain out to 3500'. TIH to 4700'. Break circulation. FTIH. Drill from 7845'- 7859'. Cool down motor. Drill to 7891'. Cool down motor. Drill to 7921'. Cool down motor. Drill to 7952'. Cool down motor @ report time.

09/13/06

TD: 8097' Csg. 9 5/8"@ 1935' MW: 11.5 SD: 8/25/06 DSS: 19
Drill and circulate to cool down rotary motor from 7952'- 8097'. Rotary motor failed. POOH to casing shoe and W/O rotary motor.

09/14/06

TD: 8097' Csg. 9 5/8"@ 1935' MW: 11.5 SD: 8/25/06 DSS: 20
Change out rotary motor.

09/15/06

TD: 8097' Csg. 9 5/8"@ 1935' MW: 11.5 SD: 8/25/06 DSS: 20
Change out rotary motor. Repair rotary.

09/18/06

TD: 8097' Csg. 9 5/8"@ 1935' MW: 11.5 SD: 8/25/06 DSS: 20
Change out rotary motor. Repair rotary.

09/19/06

TD: 8595' Csg. 9 5/8"@ 1935' MW: 11.5 SD: 8/25/06 DSS: 24
FIH with drill string. CCH for casing. Lay down drill string. Run and cement 4 ½" production casing.

09/20/06

TD: 8595' Csg. 9 5/8"@ 1935' MW: 11.5 SD: 8/25/06 DSS: 25
Cmt 4.5" prod csg. Set slips, ND, cut csg, clean pits, and rls rig @ 1400 hrs on 9/19/06. Moving rig to NBU 1021-13I @ report time.

10/02/06 Days On Completion: 1
RR FROM FEDERAL 1022-33A TO LOCATION. SPOT RIG AND EQUIP. RU RIG. ND WH, NU BOP. PU 3-7/8" BIT & X-OVER SUB. PREP, TALLY, PU & RIH W/TLS & TBG. TAG PBTD @

8549.02'. POOH, LD 1 JT. CIRC HOLE CLN W/ KCL. POOH, LD 18 JTS. SWI W/EOT @ 7980'.

10/03/06 HSM. CONT TO POOH, LD 20 JTS, STAND BACK REMAINDER OF TBG. RD RIG FLR, ND BOP, NU FRAC VLVS. MIRU CUTTERS WIRELINE SERVICE. PU WL TLS, RIH, RUN CBL/GAMMA/TMP/CCL SURVEY. TAG PBTD @ 8518', BHT: 190 DEG F., CMT TOP @ SURFACE. LD WL TLS. MIRU B&C QUICK TEST, PREST TEST CSG & FRAC VLVS TO 7500 & 500 PSI. RDMO B&C. MU CWLS, PU 3-3/8" PERF GUN, RIH, PERFORATE 8483-91', PU, PERF: 8379-85'. 4 SPF EA, TOT OF 56 HOLES. POOH, RDMO CUTTERS. SWI. PREP TO FRAC IN MORNING.

10/04/06 Remarks : MIRU BJ SERVICES & CUTTERS WIRELINE SERVICE. HSM. PRES TEST SURFACE LINES TO 8500 PSI.

ALL STAGES FOR FRAC WILL USE 3-3/8" PER GUNS W/23 GM CHARGES, 42" PENETRATION, 4 SPF, 90 DEGREE PHASING &0.35" HOLE SIZE. NALCO DVE-005 SCALE INHIB WILL BE USED (3 GPT IN PAD THRU' MID SND RMP & 10 GPT IN FLUSH). ALL CBPs WILL BE BAKER 4.5" 8K, SAND WILL BE 20/40 MESH.

STG 1: OW: 360 PSI, BRK: 4585 PSI, ISIP: 3300 PSI, FG: 0.82. EST RATE: 50.1 BMP @ 5300 PSI, POC: 100%. FRAC STG W/LIT 20# GEL. TOT SND: 136,400 LBS, TOT FL: 1209 BBL. ISIP: 3150 PSI, FG: 0.80. MP: 5720 PSI, MR: 51.4 BPM, AP: 5540 PSI, AR: 50.6 BPM.

STG 2: PU CBP & PERF GUN. RIH, SET CBP @ 7967'. PU, PERF: 7929-37', PU, PERF: 7834-40'. TOT OF 56 HOLES. POOH, LD WL TLS. MU BJ. OW: 200 PSI, BRK: 5404 PSI, ISIP: 3200 PSI, FG: 0.83. EST RATE: 51.3 BPM @ 5000 PSI. POC: 100%. FRAC STG W/LIT 20# GEL. TOT SND: 341,300 LBS, TOT FL: 2504 BBL. ISIP: 2850 PSI, FG: 0.79. MP: 5360 PSI, MR: 54.9 BPM, AP: 5145 PSI, AR: 54.1 BPM.

STG 3: PU CBP & PERF GUN. RIH, SET CBP @ 7714'. PU, PERF: 7681-84', PU, PERF: 7570-74', PU, PERF: 7476-79', PU, PERF: 7392-94'. TOT OF 48 HOLES. POOH, LD WL TLS. MU BJ.OW:150 PSI, BRK: 3149 PSI, ISIP: 2000 PSI, FG: 0.69. EST RATE: 48.4 BPM @ 5500 PSI. POC: 73%. FRAC STG W/LIT 18# GEL. TOT SND: 204,230 LBS, TOT FL: 1578 BBL. ISIP: 3650 PSI, FG: 0.91. MP: 5418 PSI, MR: 49.3 BPM, AP: 5289 PSI, AR: 47.4 BPM.

STG 4: PU CBP & PERF GUN. RIH, SET CBP @ 7331'. PU, PERF: 7296-7301', PU, PERF: 7215-19'. TOT OF36 HOLES. POOH, LD WL TLS. MU BJ. OW: 100 PSI, BRK: 2701 PSI, ISIP: 1500 PSI, FG: 0.64. EST RATE: 28.7 BPM @ 3800 PSI. FRAC STG W/LIT 18# GEL. TOT SND: 35,130 LBS, TOT FL: 363 BBL. ISIP: 2300 PSI, FG: 0.75. MP: 3880 PSI, MR: 30.5 BPM, AP: 3470 PSI, AR: 30.1 BPM.

STG 5: PU CBP & PERF GUN. RIH, SET CBP @ 7076'. PU, PERF: 7042-46', PU, PERF: 6959-53'. TOT OF 28 HOLES. POOH, LD WL TLS. MU BJ. OW: 275 PSI, BRK: 70002 PSI, ISIP: 2300 PSI, FG: 0.77. EST RATE: 37.8 BPM @ 6500 PSI. FRAC STG W/LIT 18# GEL. TOT SND: 87,600 LBS, TOT FL: 711 BBL. ISIP: 3333 PSI, FG: 0.90. MP: 6260 PSI, MR: 40.2 BPM, AP: 5510 PSI, AR: 39.9 BPM.'

STG 6: PU CBP & PERF GUN. RIH, SET CBP @ 6294'. PU, PERF: 6242-44', PU, PERF: 6118-22', PU, PERF: 6030-32'. TOT OF 32 HOLES. POOH, LD WL TLS. SWI, SDFN.

10/05/06 Days On Completion: 4
Remarks :ALL STAGES OF FRAC WILL USE 3-3/8" PERF GUNS W/23 GM CHARGES, 42" PENETRATION, 4 SPF, 90 DEGREE PHASING & 0.35" HOLE SIZE. NALCO DVE-005 SCALE INHIB WILL BE USED (3 GPT IN PAD THRU MID SND RMP & 10 GPT IN FLUSH). ALL CBPs WILL BE BAKER 4.5" 8K, SAND WILL BE 20/40 MESH.

WAIT ON BJ TO ARRIVE. 8:30 AM: HSM STAGE 6: OW: 550 PSI, BRK: 2260 PSI, ISIP: 1100 PSI, FG: 0.61. EST RATE: 51.1 BPM @ 4200 PSI. FRAC STG W/LIT 18# GEL. TOT SND: 206,000 LBS, TOT FL: 1526 BBL. ISIP: 2200 PSI, FG: 0.79. MP: 4130 PSI, MR: 50.3 BPM, AP: 3980 PSI, AR: 50.1 BPM.

STAGE 7: PU CBP & PERF GUN. RIH, SET CBP @ 5154', PU, PERF: 5119-24', TOT OF 20 HOLES. POOH, LD WL TLS. MU BJ. OW: O PSI, BRK: 2605 PSI, ISIP: 1350 PSI, FG: 0.69. EST RATE: 21 BPM @ 2600 PSI. FRAC STG W/LIT 18# GEL. TOT SND 27,900 LBS, TOT FL: 338 BBL. ISIP: 2475 PSI, FG: 0.91. MP: 2950 PSI, MR: 20.8 BPM, AP: 2770 PSI, AR: 20.6 BPM. MU CWLS, PU KILL PLG. RIH, SET PLUG @ 5050'. POOH, LD TLS & LUB. RDMO CWLS & BJ SERV. RD RIG FLR, ND FRAC VLVS, NU BOP, RU FLR. PU 3-7/8" BIT & FE POBS, RIH W/BIT, SUB & TBG. TAG KILL PLUG @ 5050'. X-OVER EQUIP TO PWR SWVL EQUIP. DRILL OUT PLUGS AS FOLLOWS:

#1	5050'	NO FILL	800 PSI INCR
#2	5154'	30'	600#
#3	6294'	40'	200#

DC : $436,209 **CCC:** $493,780 **CWC:** $1,839,113

10/06/06 Days On Completion: 5
Remarks : HSM. RIH W/BIT & TBG TAG FILL ON CBP #4 @ 7036'. DRL OUT AS FOLLOWS:

#4	FILL @ 7036'	CBP @ 7076'	PRES INCR: 200 PSI
5	7291'	7331'	500 PSI
6	7664'	7714'	500 PSI
7	7937'	7967'	300 PSI

C/O HOLE TO PBTD @ 8538 +/-. X-OVER EQUIP TO TBG. LD 27 JTS TBG. PU HNGR, LND TBG W/245 JTS IN HOLE (7689.65'). RD FLR, ND BOP, NU WH. DROP BALL, MU FL TO PIT, RU RIG PMP TO TBG. PMP OFF SUB & BIT. TIE IN SAND SEP. TURN WELL OVER TO FBC. SICP: 650 PSI, FTP: 40 PSI. BENT SHEAVE IN DERRICK, TAKE TO VERNAL FOR REPAIRS. UNABLE TO SAFELY RIG DOWN.

ON FLOWBACK 10/06/06: 1650# CP, 150# TP, OPEN CK, 65 BWPH, LOAD REC'D 1395 BBLS, LLTR 3595 BBLS

ON FLOWBACK 10/07/06: 1925# CP, 1000# TP, 22/64 CK, 25 BWPH, LOAD REC'D 725 BBLS, LLTR 4320 BBLS

ON FLOWBACK 10/08/06: 1800# CP, 1025# TP, 22/64 CK, 20 BWPH, LOAD REC'D 480 BBLS, LLTR 4800 BBLS

10/09/06 ON FLOWBACK 10/09/06: 1750# CP, 1000# TP, 22/64 CK, 15 BWPH, LOAD REC'D 360 BBLS, LLTR 5160 BBLS

10/10/06 WELL WENT ON SALES: 10/08/06 @ 10:30 a.m., MCF: 1422, CHK: 22, SICP: 1900, FTP: 1000tb, 1850csg, WTR 20bbls

ON SALES

10/08/06: 1291 MCF, 0 BC, 360 BW, TP: 1000#, CP: 1775#, 20/64 CHK, 16 HRS, LP: 103#.

10/11/06 **ON SALES**

10/09/06: 1729 MCF, 0 BC, 480 BW, TP: 1121#, CP: 1872#, 20/64 CHK, 24 HRS, LP: 432#.

10/12/06 **ON SALES**

10/10/06: 1529 MCF, 0 BC, 480 BW, TP: 1027#, CP: 1594#, 20/64 CHK, 24 HRS, LP: 93#.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22973
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
8. WELL NAME and NUMBER: NBU 1022-18D1
9. API NUMBER: 4304737776
10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 10S 22E
12. COUNTY: UINTAH
13. STATE: UTAH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078
PHONE NUMBER: (435) 781-7024
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: LOT 1, 765'FNL, 311'FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: LOT 1, 765'FNL, 311'FWL
AT TOTAL DEPTH: SEC 7, T10S, R22E 790.3'FSL, 786'FWL 640 FSL 759 FWL

14. DATE SPUDDED: 7/31/2006
15. DATE T.D. REACHED: 9/17/2006
16. DATE COMPLETED: 10/8/2006 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 5046'GL
18. TOTAL DEPTH: MD 8,595 TVD ~~8,274~~ 8392
19. PLUG BACK T.D.: MD 8,549 TVD ~~8,518~~ 8346
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR
23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3#		1,950		1025			
7 7/8"	4 1/2 I-80	11.6#		8,595		1671			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7,689							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) WASATCH	5,119	7,046		
(B) MESAVERDE	7,215	8,491		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
5,119	7,046	0.35	88	Open ☑ Squeezed ☐
7,215	8,491	0.35	196	Open ☑ Squeezed ☐
				Open ☐ Squeezed ☐
				Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5119'-7046'	PMP 2575 BBLS LIGHTNING 18 & 321,500# 20/40 SD
7215'-8491'	PMP 5654 BBLS LIGHTNING 18, 20 & 717,060# 20/40 SD

RECEIVED
NOV 13 2006
DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
10/8/2006	10/9/2006	24		0	1,729	480	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	1,121	1,872					0	1,729	480	PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
10/8/2006	10/9/2006	24		0	1,729	480	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	1,121	1,872					0	1,729	480	PROD

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH	4,306	7,104			
MESAVERDE	7,104				

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 11/6/2006

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22973

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-18D1

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047377760000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0765 FNL 0311 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 18 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 2/17/2014	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 2/17/2014 FROM A SHUT-IN STATUS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 11, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Teena Paulo	720 929-6236	Staff Regulatory Specialist
SIGNATURE		**DATE**
N/A		3/11/2014

RECEIVED: Mar. 11, 2014